

Attorney Docket 41921-5038-01WO
Document No. 1935823.1

| TABLE 3 | | | | | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|----------------------|---|---|
| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | |
| 2867 | 9134 | D45247 | G, H, K, BB, CC, GGG | proteasome (prosome, macropain) subunit, beta type 5, proteasome (prosome, macropain) subunit, beta type, 5 | |
| 3875 | 22849 | NM_057099 | G, H | proteasome (prosome, macropain) subunit, beta type 6, proteasome (prosome, macropain) subunit, beta type, 6 | |
| 3875 | 25253 | NM_057099 | B, G, H, PPP, QQQ | proteasome (prosome, macropain) subunit, beta type 6, proteasome (prosome, macropain) subunit, beta type, 6 | |

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| Seq ID | CLC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|------------|--------------------------|------------|--|--|
| 3906 | 25252 | NM_080767 | O, P, HH | <p>proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7), proteosome (prosome, macropain) subunit, beta type 8 (large multifunctional protease 7)</p> | <p>ESTs, Highly similar to PRCY MOUSE PROTEASOME COMPONENT C13 PRECURSOR [M.musculus], RIKEN cDNA 5830406J20 gene, proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7), proteosome (prosome, macropain) subunit, beta type 8 (large multifunctional protease 7)</p> |
| 3123 | 4002 | NM_012708 | KKK | <p>proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteosome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)</p> | <p>proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteosome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)</p> |

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| Seq ID | GLGC ID No. | Genbank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------|---|--|
| 3123 | 4003 | NM_012708 | I, J, KKK | proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2) | proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2) |
| 4246 | 556 | X64336 | V, NN, OO | protein C, protein C (inactivator of coagulation factors Va and VIIIa) | B-factor, properdin, ESTs, Weakly similar to S18994 protein C (activated) (EC 3.4.21.69) precursor - rat [R.norvegicus], histocompatibility 2, complement component factor B, protein C, protein C (inactivator of coagulation factors Va and VIIIa) |
| 3124 | 24545 | NM_012713 | D | protein kinase C, beta, 1 | expressed sequence AW049591, protein kinase, AMP-activated, beta 1 non-catalytic subunit |
| 3716 | 17601 | NM_031976 | K, U, X, Y, LLL, SSS | protein phosphatase 1, catalytic subunit, alpha isoform | EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform |
| 3637 | 9369 | NM_031527 | E | protein phosphatase 1, catalytic subunit, alpha isoform | EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform |
| 3637 | 9370 | NM_031527 | RR, SS | protein phosphatase 1, catalytic subunit, alpha isoform | EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform |

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| Seq ID | GLCC ID No. | Genbank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|--------------------------------|---|--|
| 3210 | 21287 | NM_013065 | N | protein phosphatase 1, catalytic subunit, beta isoform | protein phosphatase 1, catalytic subunit, beta isoform |
| 1424 | 3203 | AI012595 | Q, R, General Alternate | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform |
| 3257 | 3202 | NM_017039 | B, Q, R, WW, General Alternate | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform | protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform |
| 3258 | 24596 | NM_017040 | Q, R, PP, QQ, SS, VV | protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform | Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600017J22:protein phosphatase 2a, catalytic subunit, beta isoform, full insert sequence, protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|--|--|
| 3258 | 24597 | NM_017040 | B, II | protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform | Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600017J22:protein phosphatase 2a, catalytic subunit, beta isoform, full insert sequence, protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform |
| 3259 | 21580 | NM_017041 | ZZ, AAA | protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha), protein phosphatase 3, catalytic subunit, alpha isoform | protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha), protein phosphatase 3, catalytic subunit, alpha isoform |
| 3652 | 24219 | NM_031579 | B, I, J, DD, EE, NN, OO, SS, III, JJJ | protein tyrosine phosphatase 4a1, protein tyrosine phosphatase type IVA, member 1 | protein tyrosine phosphatase 4a1, protein tyrosine phosphatase type IVA, member 3 phosphatase type IVA, member 1, protein tyrosine phosphatase type IVA, member 3 |
| 1928 | 1841 | A113289 | O, P, Q, R, V, DD, NN, OO, PP, QQ, III, JJJ, General Alternate | protein tyrosine phosphatase, non-receptor type 1 | EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1 |
| 3016 | 1843 | M33962 | DD, ZZ, AAA, III, JJJ, KKK | protein tyrosine phosphatase, non-receptor type 1 | EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1 |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|--|---|
| | | | | | |
| 3016 | 1844 | M33962 | E, DD, ZZ, AAA, III, JJJ | protein tyrosine phosphatase, non-receptor type 1 | EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1 |
| 3197 | 11904 | NM_013016 | E, BB, PP, EEE, III, MMM | protein tyrosine phosphatase, non-receptor type 1 | ESTs, Moderately similar to JC5288 SHP substrate-1 protein, 509 - mouse [M.musculus], ESTs, Weakly similar to JC5288 SHP substrate-1 protein, 509 - mouse [M.musculus], protein tyrosine phosphatase, non-receptor type substrate 1, signal-regulatory protein beta 2 |
| 2269 | 14977 | AI177386 | JJ, KK | protein tyrosine phosphatase, receptor type, D | ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S |
| 3356 | 14971 | NM_019140 | JJ, KK | protein tyrosine phosphatase, receptor type, D | ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S |
| 3356 | 14973 | NM_019140 | General Alternate | protein tyrosine phosphatase, receptor type, D | ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S |
| 3356 | 14974 | NM_019140 | T | protein tyrosine phosphatase, receptor type, D | ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S |
| 3029 | 1973 | M60103 | I, J, Y, FF, KKK, LLL, OOO, RRR, SSS, General Core Tox Markers, General Alternate | protein tyrosine phosphatase, receptor type, F, protein tyrosine phosphatase, receptor-type, F | ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], ESTs, Weakly similar to S40282 protein-tyrosine-phosphatase [M.musculus], ESTs, Weakly similar to S46216 leukocyte antigen-related protein precursor - rat [R.norvegicus], Mus musculus, clone IMAGE:5101040, mRNA, partial cds, protein tyrosine phosphatase, non-receptor type 9, protein tyrosine phosphatase, receptor type, D, protein tyrosine phosphatase, receptor type, F, protein tyrosine phosphatase, receptor-type, F |

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|---------|-------------|--------------------------|---------------------------|--|
| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 3577 | 20410 | NM_030990 | SS | proteolipid protein (myelin), proteolipid protein1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated) |
| 3431 | 22916 | NM_021740 | HHH | prothymosin alpha, prothymosin, alpha (gene sequence 28) |
| 4287 | 20426 | Z12158 | SS, WW | pyruvate dehydrogenase (lipoamide) alpha 1, pyruvate dehydrogenase E1 alpha 1 |
| 4097 | 1928 | U10357 | II, General Alternate | pyruvate dehydrogenase 2, pyruvate dehydrogenase kinase, isoenzyme 2 |
| 3745 | 5175 | NM_053297 | O, P, NN, OO, W, EEE, MMM | pyruvate kinase 3, pyruvate kinase, muscle |
| 3686 | 14953 | NM_031774 | UU, XX, YY | Rab acceptor 1 (prenylated) |

Mus musculus 15 days embryo male testis cDNA, RIKEN full-length enriched library, clone:8030496P19:glycoprotein m6b, full insert sequence, Mus musculus, clone MGC:32434 IMAGE:5041793, mRNA, complete cds, PH domain containing protein in retina 1, glycoprotein m6b, proteolipid protein (myelin)

ESTs, Highly similar to THYA_HUMAN PROTHYMOSIN ALPHA [H.sapiens], RIKEN cDNA 2610009E16 gene, prothymosin alpha, prothymosin, alpha (gene sequence 28)

Mus musculus, Similar to pyruvate dehydrogenase kinase, isoenzyme 1, clone MGC:28719 IMAGE:4458562, mRNA, complete cds, Mus musculus, Similar to pyruvate dehydrogenase kinase, isoenzyme 3, clone MGC:6383 IMAGE:3500763, mRNA, complete cds, pyruvate dehydrogenase 2, pyruvate dehydrogenase kinase, isoenzyme 2

ESTs, Moderately similar to A33983 pyruvate kinase [H.sapiens]

Rab acceptor 1 (prenylated)

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------------|--|--|
| 3981 | 14822 | NM_138708 | Q, R, JJ, KK, MM, FFF, TTT | RAB geranylgeranyl transferase, b subunit, Rab | RAB geranylgeranyl transferase, b subunit, expressed sequence AA409500 |
| 484 | 18489 | AA891669 | RR | RAB11B, member RAS oncogene family | |
| 210 | 24654 | AA819333 | D, V | RAB3D, member RAS oncogene family | RAB3D, member RAS oncogene family |
| 3532 | 4228 | NM_023950 | V | RAB7, member RAS oncogene family | ESTs, Weakly similar to RAB7 MOUSE RAS-RELATED PROTEIN RAB-7 [M.musculus], Mus musculus, clone MGC:25695 IMAGE:3672128, mRNA, complete cds, RAB7, member RAS oncogene family |
| 3726 | 21809 | NM_032067 | ZZ, AAA | Ral-interacting protein 1, ralA binding protein 1 | Ral-interacting protein 1, ralA binding protein 1 |
| 3726 | 21810 | NM_032067 | ZZ, AAA | Ral-interacting protein 1, ralA binding protein 1 | Ral-interacting protein 1, ralA binding protein 1 |
| 794 | 21821 | AA925664 | LL | RAP1A, member of RAS oncogene family | RAP2A, member of RAS oncogene family, hypothetical protein DKFZp761C07121, hypothetical protein similar to small G proteins, especially RAP-2A |
| 3237 | 23362 | NM_013216 | JJ, GGG | RAS-homolog enriched in brain, Ras homolog enriched in brain 2 | ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], RAS-homolog enriched in brain, RIKEN cDNA 1810036J22 gene, Ras homolog enriched in brain 2, ras-like protein VTS58635 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 1846 | 2069 | AI103616 | WV | ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) |
| 1415 | 2791 | AI012429 | ZZ, AAA H, I, J, FF, FFF, OOO, SSS, UUU, General Core Tox Markers, General Alternate | receptor (calcitonin) activity modifying protein 1 |
| 3645 | 28 | NM_031546 | | regucalcin, regucalcin (senescence marker protein-30) |
| 3822 | 24621 | NM_053764 | Z, AA | regulator of G-protein signaling 14, regulator of G-protein signalling 14 |
| 2472 | 2088 | AI229727 | NN, OO | regulator of G-protein signaling 5, regulator of G-protein signalling 5 |
| 3638 | 12996 | NM_031528 | C, RR | retinoic acid receptor, alpha, retinoic acid receptor, beta |
| 3043 | 25060 | M81766 | D | retinoid X receptor beta, retinoid X receptor, beta |

ESTs, Highly similar to Cdc42 From Human, Nmr, 20 Structures [H.sapiens], Mus musculus DBC2 protein (Dbc2) mRNA, complete cds, Mus musculus mRNA for small GTPase Tc10, complete cds, RAC3, RIKEN cDNA 1700008H16 gene, ras homolog gene family, member J, ras-like protein, ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)

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| TABLE 3 | | Human Homologous Sequence Cluster Title | | |
|---------|---------------------------|--|--|--|
| Seq ID | GeneBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 2980 | 17472 M10934 | HH, SS | retinol binding protein 4, plasma | EST, Moderately similar to VAHU plasma retinol-binding protein precursor [H.sapiens], EST, Weakly similar to RETB_RAT Plasma retinol-binding protein precursor (PRBP) (RBP) [R.norvegicus], retinol binding protein 4, plasma |
| 3417 | 12087 NM_020082 | B, LLL, SSS, UUU | ribonuclease, RNase A family 4, ribonuclease, RNase A family_4 | ESTs, Weakly similar to RNL4_RAT Ribonuclease 4 precursor (RNase 4) (RL3) [R.norvegicus], angiogenin, angiogenin related protein, angiogenin-like, expressed sequence A1385586, ribonuclease, RNase A family 4, ribonuclease, RNase A family_4 EST, Moderately similar to RIB2_HUMAN DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN SUBUNIT PRECURSOR [H.sapiens], ESTs, Moderately similar to RIB2_HUMAN DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN SUBUNIT PRECURSOR [H.sapiens], ESTs, Moderately similar to RIB2_HUMAN DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN SUBUNIT PRECURSOR [H.sapiens], ribophorin 2, related sequence 1, ribophorin II |
| 3670 | 21575 NM_031698 | V, FF | ribophorin II | |
| 3594 | 11849 NM_031065 | A, B, G, H, RR, EEE, MMM, UUU, General Alternate | ribosomal protein L10A, ribosomal protein L10a | EST, Moderately similar to R10A MOUSE 60S RIBOSOMAL PROTEIN L10A [M.musculus], ribosomal protein L10A, ribosomal protein L10a |
| 4053 | 11850 R46985 | G | ribosomal protein L10A, ribosomal protein L10a | EST, Moderately similar to R10A MOUSE 60S RIBOSOMAL PROTEIN L10A [M.musculus], ribosomal protein L10A, ribosomal protein L10a |
| 3601 | 23854 NM_031101 | G, II, FFF, GGG, General Alternate | ribosomal protein L13 | EST, Moderately similar to JC2368 ribosomal protein L13, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to JC2368 ribosomal protein L13, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to ribosomal protein L13; 60S ribosomal protein L13; breast basic conserved protein 1 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to RL13 MOUSE 60S RIBOSOMAL PROTEIN L13 [M.musculus], Homo sapiens cDNA FLJ30941 fis, clone FEBRA2007458, Human RPL13-2 pseudogene mRNA, complete cds, ribosomal protein L13 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------|----------------------------------|---|
| 3602 | 20462 | NM_031102 | G, H, EEE, MMM | ribosomal protein L18 | ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L18 [M.musculus], ribosomal protein L18 |
| 3603 | 16938 | NM_031103 | F, H, II | ribosomal protein L19 | EST, Weakly similar to RL19 MOUSE 60S RIBOSOMAL PROTEIN L19 [M.musculus], ESTs, Weakly similar to RL19_HUMAN 60S RIBOSOMAL PROTEIN L1 [M.musculus], ESTs, Weakly similar to RL19_HUMAN 60S ribosomal protein L19 [R.norvegicus], ribosomal protein L19 |
| 2163 | 12614 | A1175294 | T | ribosomal protein L21 | EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21 |
| 3750 | 14925 | NM_053330 | K, Z, AA, KK | ribosomal protein L21 | EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21 |

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| Seq ID | GLGC ID No. | Gembank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 3750 | 14926 | NM_053330 | V, Z, AA | ribosomal protein L21 | EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21 |
| 3750 | 14927 | NM_053330 | V | ribosomal protein L21 | EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21 |
| 3750 | 14929 | NM_053330 | O, P, VV | ribosomal protein L21 | EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21 |

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| | | G, H, EEE, MMM, General Core Tox Markers, General Alternate | | |
| 4226 | X58200 | | ribosomal protein L23 | Homo sapiens, clone MGC:27044 IMAGE:4793412, mRNA, complete cds, Mus musculus, Similar to 60S ribosomal protein L30 isolog, clone MGC:6735 IMAGE:3590401, mRNA, complete cds, ribosomal protein L24 |
| 145 | AA817997 | F, G, H, FFF | ribosomal protein L24 | |
| 3509 | NM_022697 | F, DDD, FFF | ribosomal protein L28 | |
| | | JJ, XX, YY, HHH | | EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29 |
| 2429 | A1228624 | | ribosomal protein L29 | EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29 |
| 3291 | NM_017150 | KK, FFF, HHH | ribosomal protein L29 | |
| | | BB, CC, II, WW, EEE, MMM, General Alternate | | EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29 |
| 4226 | X58200 | | ribosomal protein L29 | |
| 3421 | NM_021264 | GGG | ribosomal protein L35a | |
| 535 | AA892123 | JJ, KK, FFF, GGG | ribosomal protein L36 | EST, Moderately similar to ribosomal protein L36 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 110038G14 gene, ribosomal protein L36 |
| 3999 | NM_139083 | F | ribosomal protein L41 | ESTs, Highly similar to YZA1_HUMAN HYPOTHETICAL PROTEIN [H.sapiens], ribosomal protein L41 |

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|--------|-------------|--------------------------|--------------------------------|----------------------------------|---|
| 4237 | 15875 | X62145 | F | ribosomal protein L8 | EST, Highly similar to RL8_HUMAN 60S ribosomal protein L8 [R.norvegicus], EST, Weakly similar to JN0923 ribosomal protein L8, cytosolic [H.sapiens], ESTs, Highly similar to R5RTL8 ribosomal protein L8, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], ESTs, Moderately similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], expressed sequence AL024098, ribosomal protein L8 |
| 4237 | 25718 | X62145 | G, H, JJ, HHH | ribosomal protein L8 | EST, Moderately similar to S65792 ribosomal protein L9, cytosolic [H.sapiens], EST, Weakly similar to RL9_RAT 60S RIBOSOMAL PROTEIN L9 [R.norvegicus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L9 [M.musculus], RIKEN cDNA 4930401B11 gene, ribosomal protein L9 |
| 4210 | 18250 | X51706 | F, V, EEE, MMM | ribosomal protein L9 | |
| 4210 | 25687 | X51706 | H, EEE, MMM, General Alternate | ribosomal protein L9 | |
| 4215 | 20427 | X53378 | FFF, HHH, General Alternate | ribosomal protein S13 | ESTs, Moderately similar to RS13_HUMAN 40S RIBOSOMAL PROTEIN S13 [H.sapiens], ribosomal protein S13 |
| 3503 | 17567 | NM_022672 | III, JJJ | ribosomal protein S14 | EST, Weakly similar to JE0129 ribosomal protein S14 - mouse [M.musculus], ESTs, Highly similar to JE0129 ribosomal protein S14 - mouse [M.musculus], expressed sequence AL023078, ribosomal protein S14 |
| 4206 | 15626 | X17665 | F, H, BB, CC, EEE, MMM | ribosomal protein S16 | EST AI317031, EST, Weakly similar to R3HU16 ribosomal protein S16, cytosolic [H.sapiens], expressed sequence AA420385, ribosomal protein S16 |
| 2272 | 26258 | AI177501 | U | ribosomal protein S17 | ESTs, Weakly similar to RS17_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ribosomal protein S17 |
| 3292 | 21643 | NM_017152 | CC, II, EEE, MMM | ribosomal protein S17 | ESTs, Weakly similar to RS17_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ribosomal protein S17 |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 4211 | 20872 | X51707 | F, K, II, JJ, KK, VV, EEE, FFF, GGG, MMM, General Alternate | ribosomal protein S19 | EST, Moderately similar to R3RT19 ribosomal protein S19, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to RS19_HUMAN 40S RIBOSOMAL PROTEIN S19 [H.sapiens] |
| 3896 | 10498 | NM_078617 | F | ribosomal protein S23 | ESTs, Highly similar to 40S RIBOSOMAL PROTEIN S23 [H.sapiens], ESTs, Weakly similar to ribosomal protein S23 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to mitochondrial ribosomal protein S12, clone MGC:13892 IMAGE:4209358, mRNA, complete cds, mitochondrial ribosomal protein S12, ribosomal protein S23 |
| 3609 | 24615 | NM_031112 | JJ, KK, FFF | ribosomal protein S24 | EST, Weakly similar to JH0213 ribosomal protein S24, cytosolic [H.sapiens], EST, Weakly similar to RS24_HUMAN 40S RIBOSOMAL PROTEIN S24 [M.musculus], ESTs, Highly similar to JH0213 ribosomal protein S24, cytosolic [H.sapiens], ribosomal protein S24 |
| 3610 | 20839 | NM_031113 | F, II, FFF, General Alternate | ribosomal protein S27a | ESTs, Highly similar to ribosomal protein S27a [Mus musculus] [M.musculus], ESTs, Highly similar to ubiquitin / ribosomal protein S27a [H.sapiens], ESTs, Weakly similar to ribosomal protein S27a [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to ubiquitin-like 4, clone MGC:19132 IMAGE:4215699, mRNA, complete cds, neural precursor cell expressed, developmentally down-regulated 8, ribosomal protein S27a |
| 3161 | 17306 | NM_012876 | EE, MM, YY, TTT | ribosomal protein S29 | EST, Moderately similar to RS29_HUMAN 40S RIBOSOMAL PROTEIN S29 [M.musculus], ESTs, Weakly similar to RS29_HUMAN 40S RIBOSOMAL PROTEIN S29 [H.sapiens], ribosomal protein S29 |
| 4208 | 10819 | X51536 | H | ribosomal protein S3 | EST, Moderately similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], EST, Weakly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Highly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Moderately similar to RS3_MOUSE 40S RIBOSOMAL PROTEIN S [H.sapiens], ESTs, Weakly similar to RS3_MOUSE 40S RIBOSOMAL PROTEIN S3 [M.musculus], hypothetical protein FLJ11252, hypothetical protein FLJ23059, myo-inositol 1-phosphate synthase A1, ribosomal protein S3 |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|--|---|
| 4208 | 25686 | X51536 | G, H, JJ, KK, GGG, HHH | ribosomal protein S3 | EST, Weakly similar to JC4662 ribosomal protein S3a, cytosolic [H.sapiens], EST, Weakly similar to RS3A MOUSE 40S RIBOSOMAL PROTEIN S3A [M.musculus], ESTs, Highly similar to RS3A_HUMAN 40S RIBOSOMAL PROTEIN S3 [H.sapiens], ribosomal protein S3A, ribosomal protein S3a |
| 3047 | 1694 | M84716 | F, III, JJJ, General Alternate | ribosomal protein S3A, ribosomal protein S3a | |
| 4198 | 15652 | X14210 | BB, CC, EEE, III, JJJ, MMM | ribosomal protein S4, X-linked | |
| 4228 | 10109 | X58465 | G, H, II, VV, DDD, EEE, FFF, GGG, III, JJJ, MMM, General Core Tox Markers | ribosomal protein S5 | EST, Moderately similar to 2113200E ribosomal protein S5 [H.sapiens], EST, Weakly similar to 2113200E ribosomal protein S5 [H.sapiens], ribosomal protein S5 |
| 4228 | 25702 | X58465 | X, Y, JJ, KK, FFF, GGG, HHH, III, JJJ, General Core Tox Markers | ribosomal protein S5 | EST, Moderately similar to 2113200E ribosomal protein S5 [H.sapiens], EST, Weakly similar to 2113200E ribosomal protein S5 [H.sapiens], ribosomal protein S5 |
| 3295 | 17104 | NM_017160 | G, H, II, JJ, KK, DDD, FFF, HHH, General Alternate | ribosomal protein S6 | EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6 |

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TABLE 3

| Seq. ID | CLCC ID No. | GenBank Acc or RatSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|---------------------------------|--|--|
| 3295 | 17105 | NM_017160 | H, II, General Alternate | ribosomal protein S6 | EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6 |
| 3295 | 17107 | NM_017160 | XX, YY | ribosomal protein S6 | EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6 |
| 3605 | 17300 | NM_031107 | KKK | ribosomal protein S6 kinase, 90kD, polypeptide 1 | ESTs, Highly similar to K6A1_RAT Ribosomal protein S6 kinase alpha 1 (S6K-alpha 1) (90 kDa ribosomal protein S6 kinase 1) (p90-RSK 1) (Ribosomal S6 kinase 1) (RSK-1) (pp90RSK1) [R.norvegicus], Mus musculus, clone IMAGE:3156601, mRNA, ribonuclease P1, ribosomal protein S6 kinase polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 2, ribosomal protein S6 kinase, 90kD, polypeptide 3 |
| 3649 | 9620 | NM_031570 | KK, FFF, HHH, General Alternate | ribosomal protein S7 | EST, Moderately similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], EST, Weakly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [M.musculus], EST, Weakly similar to RS7_HUMAN 40S ribosomal protein S7 (S8) [R.norvegicus], ESTs, Highly similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], ESTs, Highly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ESTs, Moderately similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ribosomal protein S7 |

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TABLE 3

| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|--|
| 3649 | 9621 | NM_031570 | B, JJ, OO, HHH | ribosomal protein S7 | EST, Moderately similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], EST, Weakly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [M.musculus], EST, Weakly similar to RS7_HUMAN 40S ribosomal protein S7 (S8) [R.norvegicus], ESTs, Highly similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], ESTs, Highly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ESTs, Moderately similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ribosomal protein S7 |
| 3673 | 16204 | NM_031706 | JJ, KK, FFF, GGG, HHH, General Core Tox Markers, General Alternate | ribosomal protein S8 | EST, Weakly similar to 40S RIBOSOMAL PROTEIN S8 [M.musculus], ESTs, Highly similar to S25022 ribosomal protein S8, cytosolic [H.sapiens], ESTs, Moderately similar to RS8_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], RIKEN cDNA 1110008P08 gene, ribosomal protein S8 |
| 3673 | 16205 | NM_031706 | V, Z, KK, GGG, HHH, General Alternate | ribosomal protein S8 | EST, Weakly similar to 40S RIBOSOMAL PROTEIN S8 [M.musculus], ESTs, Highly similar to S25022 ribosomal protein S8, cytosolic [H.sapiens], ESTs, Moderately similar to RS8_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], RIKEN cDNA 1110008P08 gene, ribosomal protein S8 |
| 58 | 18061 | AA799735 | I, J | ribosomal protein S8 RuvB-like 1 (E. coli), RuvB-like protein 1 | Homer, neuronal immediate early gene, 1B, homer, neuronal immediate early gene, 1 |
| 1202 | 1382 | AB002406 | UU, VV | RuvB-like 1 (E. coli), RuvB-like protein 1 | Homer, neuronal immediate early gene, 1B, homer, neuronal immediate early gene, 1 ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A11 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence A1266795 |
| 4069 | 1471 | S68809 | RR | S100 calcium binding protein A1 | |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------|--|--|
| 3611 | 19040 | NM_031114 | O, VV | S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)), S100 calcium binding protein A10 (calpactin) | EST, Moderately similar to S110_RAT Calpactin I light chain (P10 protein) (P11) (Cellular ligand of annexin II) (Nerve growth factor induced protein 42C) [R.norvegicus], S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)), S100 calcium binding protein A10 (calpactin) |
| 3097 | 20569 | NM_012618 | O, W, VV, EEE, MMM | S100 calcium binding protein A4, S100 calcium binding protein A4 (calcium protein, calvasculin, murine metastasin, murine placental homolog) | S100 calcium binding protein A2, S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog) |
| 3773 | 16394 | NM_053485 | O, P | S100 calcium binding protein A6 (calcyclin) | |
| 2083 | 8240 | A1171267 | II | SAC1 (suppressor of actin mutations 1, homolog)-like (S. cerevisiae), SAC1 suppressor of actin mutations 1-like (yeast) | Mus musculus, S-adenosylhomocysteine hydrolase-like 1, clone MGC:18748 IMAGE:4007102, mRNA, complete cds, S-adenosylhomocysteine hydrolase, S-adenosylhomocysteine hydrolase, related sequence 3, expressed sequence AL024110 |
| 3307 | 20779 | NM_017201 | I, J, HH | S-adenosylhomocysteine hydrolase | |
| 3581 | 15683 | NM_031011 | MM, TTT | S-adenosylmethionine decarboxylase 1 | S-adenosylmethionine decarboxylase 1, S-adenosylmethionine decarboxylase 2 |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------------|--|---|
| 3105 | 16217 | NM_012656 | G, H, M, EE, II, LLL, SSS, UUU | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) |
| 3105 | 16221 | NM_012656 | M, QQ | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) |
| 4057 | 16223 | R47128 | PP, QQ | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) | secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin) |
| 3164 | 23651 | NM_012881 | EEE, MMM | secreted phosphoprotein 1, secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1) | |
| 1397 | 17654 | A1012117 | LL, XX | secretogloblin, family 1A, member 1 (uteroglobin) | secretogloblin, family 1A, member 1 (uteroglobin) |

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| Seq ID | CLCC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|-------------------------------------|--|---|
| 1023 | 23919 | AA956992 | D | secretory carrier membrane protein 3 | RIKEN cDNA 170042D18 gene, secretory carrier membrane protein 1, secretory carrier membrane protein 2, secretory carrier membrane protein 3 |
| 2485 | 4280 | A1230247 | LL | selenoprotein P, plasma, 1 | selenoprotein P, plasma, 1 |
| 3165 | 4282 | NM_012883 | R, General Alternate | selenoprotein P, plasma, 1, sulfotransferase, estrogen preferring, sulfotransferase, estrogen-preferring | selenoprotein P, plasma, 1, sulfotransferase, estrogen preferring, sulfotransferase, estrogen-preferring |
| 3199 | 17894 | NM_013027 | A, HHH, III, JJJ, General Alternate | selenoprotein W, 1, selenoprotein W, muscle 1 | ESTs, Weakly similar to SELW MOUSE SELENOPROTEIN W [M.musculus], selenoprotein W, 1, selenoprotein W, muscle 1 |
| 1357 | 4213 | A1010453 | F, S, EE, SS, NNN | serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 | |
| 3477 | 4212 | NM_022519 | M, HH, SS | serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 | |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|--|--|
| 3477 | 25681 | NM_022519 | SS | serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antitrypsin), member 1 | Homo sapiens CTCL tumor antigen se20-9 mRNA, complete cds, Ste20-related serine/threonine kinase, serine/threonine kinase 10 |
| 3371 | 19241 | NM_019206 | O | serine/threonine kinase 10 | ESTs, Highly similar to SNK_RAT Serine/threonine-protein kinase SNK (Serum inducible kinase) [R.norvegicus], ESTs, Weakly similar to SNK MOUSE SERINE/THREONINE-PROTEIN KINASE SNK [M.musculus], ESTs, Weakly similar to SNK_RAT Serine/threonine-protein kinase SNK (Serum inducible kinase) [R.norvegicus], Homo sapiens cDNA FLJ30246 fis, clone BRACE2002202, weakly similar to SERINE/THREONINE-PROTEIN KINASE SNK (EC 2.7.1.-), NIMA (never in mitosis gene a)-related expressed kinase 1, NIMA (never in mitosis gene a)-related kinase 4, serum-inducible kinase |
| 855 | 2655 | AA943886 | F, DD, PP | serum-inducible kinase | |
| 1763 | 19647 | AI100867 | JJ, KK | SH3 and multiple ankyrin repeat domains 3, SH3/ankyrin domain gene 3 | |

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TABLE 3

| Seq ID | GI/GC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|--------------|---------------------------|-------------------------|---|---|
| 3148 | 835 | NM_012813 | SS | sialyltransferase 8 (alpha-2, 8-sialyltransferase) A, sialyltransferase 8A (alpha-N-acetylneuraminat: alpha-2, 8-sialyltransferase, GD3 synthase) | ESTs, Weakly similar to A54032 alpha-N-acetylneuraminat alpha-2, 8-sialyltransferase [H.sapiens], ESTs, Weakly similar to alpha 2, 8-sialyltransferase [M.musculus], sialyltransferase 8 (alpha 2, 8 sialyltransferase) E, sialyltransferase 8 (alpha-2, 8-sialyltransferase) A, sialyltransferase 8A (alpha-N-acetylneuraminat: alpha-2, 8-sialyltransferase, GD3 synthase), sialyltransferase 8E (alpha-2, 8-polysialyltransferase) |
| 4145 | 1286 | U55938 | F, UU | sialyltransferase 8 (alpha-2, 8-sialyltransferase) C, sialyltransferase 8C (alpha2,3Galbeta1,4GlcNAcalpha 2, 8-sialyltransferase) | |
| 1611 | 3550 | A1058606 | I, J | signal peptidase complex (18kD) | |
| 2949 | 3548 | L11319 | I, J, EEE, MMM | signal peptidase complex (18kD) | |
| 2949 | 3549 | L11319 | O, HH, XX, YY, PPP, QQQ | signal peptidase complex (18kD) | |

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TABLE 3

| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|--|---|
| 3306 | 9124 | NM_017199 | NN, OO, XX, YY | signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) | EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) |
| 3306 | 9125 | NM_017199 | U, NN, OO, XX, YY | signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) | EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) |
| 3306 | 9126 | NM_017199 | Z, AA | signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) | EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta) |
| 3462 | 1914 | NM_022380 | M, Z, AA | signal transducer and activator of transcription 5B | signal transducer and activator of transcription 6, interleukin-4 induced |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|---|--|
| 3639 | 20448 | NM_031530 | W, II, EEE, MMM | small inducible cytokine A2, small inducible cytokine A2 (monocyte chemotactic protein 1) | EST, Weakly similar to S07723 immediate-early serum-responsive protein JE precursor rat [R.norvegicus], expressed sequence A1323594, small inducible cytokine A2, small inducible cytokine A24, small inducible cytokine subfamily A (Cys-Cys), member 24 |
| 3639 | 20449 | NM_031530 | W, II, QQ | small inducible cytokine A2, small inducible cytokine A2 (monocyte chemotactic protein 1) SMC (structural maintenance of chromosomes 1)-like 1 (S. cerevisiae), SMC1 structural maintenance of chromosomes 1-like 1 (yeast) | EST, Weakly similar to S07723 immediate-early serum-responsive protein JE precursor rat [R.norvegicus], expressed sequence A1323594, small inducible cytokine A2, small inducible cytokine A24, small inducible cytokine subfamily A (Cys-Cys), member 24 |
| 1064 | 2329 | AA964157 | SS | SMC (structural maintenance of chromosomes 1)-like 1 (S. cerevisiae), SMC1 structural maintenance of chromosomes 1-like 1 (yeast) | ESTs, Weakly similar to segregation of mitotic chromosomes b; SMC (segregation of mitotic chromosomes 1)-like 1 (yeast) [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to I54383 chromosome segregation protein smc1 [H.sapiens], RIKEN cDNA C030018L16 gene, SMC (structural maintenance of chromosomes 1)-like 2 (S. cerevisiae), SMC (structural maintenance of chromosomes 1)-like 1 (S. cerevisiae), SMC1 structural maintenance of chromosomes 1-like 1 (yeast), SMC4 structural maintenance of chromosomes 4-like 1 (yeast) |
| 3260 | 24771 | NM_017047 | A, B, G, J, J, KK, CCC, EEE, FFF, GGG, HHH, MMM, General Core Tox Markers | solute carrier family 10 (sodium/bile acid cotransporter family), member 1 | ESTs, Weakly similar to NTCP MOUSE SODIUM/BILE ACID COTRANSPORTER [M.musculus], Mus musculus, Similar to Protein P3, clone MGC:38638 IMAGE:5355849, mRNA, complete cds, RIKEN cDNA 8430417G17 gene, solute carrier family 10 (sodium/bile acid cotransporter family), member 1 |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|--------------------------|---|---|
| Seq ID | Genbank Acc or RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| | | | EST, Moderately similar to T31429 K-Cl cotransport protein KCC1, furosemide-sensitive - rat [R.norvegicus], EST, Weakly similar to T31429 K-Cl cotransport protein KCC1, furosemide-sensitive - rat [R.norvegicus], cation-chloride cotransporter-interacting protein, solute carrier family 12 (potassium/chloride transporters), member 4, solute carrier family 12 (potassium/chloride transporters), member 6, solute carrier family 12 (potassium/chloride transporters), member 8, solute carrier family 12, member 4, solute carrier family 12, member 6 |
| 3376 | NM_019229 | JJ, KK | solute carrier family 12 (potassium/chloride transporters), member 4, solute carrier family 12, member 4 |
| | | | solute carrier family 14 (urea transporter), member 1 (Kidd blood group), solute carrier family 14 (urea transporter), member 1 |
| 3397 | NM_019346 | Z, AA, SS | solute carrier family 14 (urea transporter), member 2 |
| | | | solute carrier family 16 (monocarboxylic acid transporters), member 1 |
| 3398 | NM_019347 | RR | RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1 |
| | | | RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1 |
| 3125 | NM_012716 | CC, BBB, CCC | RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1 |
| | | | RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1 |
| 3125 | NM_012716 | BB, CC, LL, TT | RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1 |

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TABLE 3

| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|---|
| 3333 | 23825 | NM_017299 | KK, EEE, MMM | solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 3, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3 | solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 1, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3 |
| 3333 | 23826 | NM_017299 | D, Z, AA | solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 3, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3 | solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 3, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3 |
| 3162 | 15872 | NM_012879 | U, FF, MM, NN, OO, EEE, LLL, MMM, RRR, SSS, TTT, UUU | solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 2 | ESTs, Weakly similar to solute carrier family 2 (facilitated glucose transporter), member 2; liver-type glucose transporter [Mus musculus] [M.musculus], solute carrier family 2 (facilitated glucose transporter), member 2 |
| 3312 | 16263 | NM_017223 | Z, AA | solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 2 | solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 1, solute carrier family 20, member 2 |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|---|
| 3384 | 23625 | NM_019269 | BBB, CCC | solute carrier family 22 (organic cation transporter), member 22 | ESTs, Weakly similar to solute carrier family 22 (organic cation transporter), member 5; Lstp-like [Mus musculus] [M.musculus], ESTs, Weakly similar to OCN2 MOUSE ORGANIC CATION/CARNITINE TRANSPORTER 2 [M.musculus], Homo sapiens OAT4L mRNA for organic anion transporter 4 like protein, complete cds, Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, RIKEN cDNA 4921504E14 gene, expressed sequence A1987855, solute carrier family 22 (organic anion/cation transporter), member 11, solute carrier family 22 (organic cation transporter), member 5, solute carrier family 22 (organic cation transporter), member 9 |
| 4003 | 17549 | NM_139100 | G, H, WW, FFF, GGG, HHH, General Alternate | solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3 | RIKEN cDNA 3632410G24 gene, RIKEN cDNA 5730438N18 gene, expressed sequence W51672, solute carrier family 25 (mitochondrial carrier, brain), member 14, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11, solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 |
| 3680 | 17554 | NM_031736 | U, FF, GG | solute carrier family 27 (fatty acid transporter), member 2 | EST, Weakly similar to VLCS_HUMAN VERY-LONG-CHAIN ACYL-COA SYNTHETASE [H.sapiens], ESTs, Weakly similar to solute carrier family 27 (fatty acid transporter), member 2 [Rattus norvegicus] [R.norvegicus], Homo sapiens cDNA FLJ23784 fis, clone HEP21238, VLCS-H1 protein, fatty-acid-Coenzyme A ligase, very long-chain 1, hypothetical protein MGC4365, solute carrier family 27 (fatty acid transporter), member 2, solute carrier family 27 (fatty acid transporter), member 3 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|--|---|
| 911 | 211 | AA945453 | General Alternate | solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 | solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 |
| 3668 | 20743 | NM_031684 | I, J, KKK, General Alternate | solute carrier family 29 (nucleoside transporters), member 1 | ESTs, Weakly similar to solute carrier family 29 (nucleoside transporters), member 1 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 4933435C21 gene, solute carrier family 29 (nucleoside transporters), member 1 |
| 3681 | 18074 | NM_031738 | RR, UU | solute carrier family 29 (nucleoside transporters), member 2 | |
| 3386 | 20734 | NM_019283 | QQQ, General Core Tox Markers | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 |
| 3386 | 20735 | NM_019283 | G, H, L, R, II, UU, KKK, OOO, General Core Tox Markers | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 |
| 3200 | 18078 | NM_013030 | RR | solute carrier family 34 (sodium phosphate), member 1 | Rattus norvegicus mRNA for Na+/Pi-transporter type IIc, complete cds, Rattus norvegicus mRNA for NaPi-2 alpha, complete cds, Solute carrier family 17 (sodium/hydrogen exchanger), member 2, expressed sequence A1649385, solute carrier family 34 (sodium phosphate), member 1 |

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| TABLE 3 | | | | | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|-------------|--|---|
| Seq ID | GLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3104 | 16332 | NM_012651 | Z, AA | solute carrier family 4 (anion exchanger), member 1, solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) | ESTs, Moderately similar to B3AT MOUSE BAND 3 ANION EXCHANGE PROTEIN [M.musculus], expressed sequence AI503023, solute carrier family 4 (anion exchanger), member 1, solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) |
| 4089 | 313 | U03120 | JJ, KK | solute carrier family 5 (sodium/glucose cotransporter), member 1 | Mus musculus, Similar to solute carrier family 5 (sodium/glucose cotransporter), member 1, clone MGC:29197 IMAGE:5012356, mRNA, complete cds, RIKEN cDNA 2010013B02 gene, RIKEN cDNA 2010104G07 gene, low affinity sodium-dependent glucose cotransporter, solute carrier family 5 (sodium/glucose cotransporter), member 1, solute carrier family 5, member 1, solute carrier family 5, member 3, solute carrier family 5, member 4a |
| 3118 | 139 | NM_012694 | SS, UU | solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 | solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 |
| 4143 | 25608 | U53927 | MM, SS, TTT | solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 | ESTs, Weakly similar to cationic amino acid transporter-2A [Rattus norvegicus] [R.norvegicus], solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 |
| 4251 | 580 | X68812 | N | solute carrier family 8 (sodium/calcium exchanger), member 1 | |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc. or RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|--|
| 1887 | 17171 | AI105137 | M, V, J.J, KK C, K, T, W, DD, EE, KKK, General Alternate | somatostatin sorbitol dehydrogenase, sorbitol dehydrogenase 1 | EST, Moderately similar to GTK1_RAT Glutathione S-transferase, mitochondrial (GST 13-13) (Glutathione S-transferase subunit 13) (GST class-kappa) [R.norvegicus], EST, Weakly similar to GTK1_HUMAN GLUTATHIONE S-TRANSFERASE, MITOCHONDRIAL (GST 13-13) (GLUTATHIONE S-TRANSFERASE SUBUNIT 13) (GST CLASS-KAPPA) (HDCMD47P) [H.sapiens], RIKEN cDNA 0610025119 gene, glutathione S-transferase subunit 13 homolog, somatostatin |
| 1507 | 1876 | A1030175 | W, DD, EE, SS, WW, XX, YY, General Core Tox Markers | sorbitol dehydrogenase, sorbitol dehydrogenase 1 | ESTs, Highly similar to A54674 L-iditol 2-dehydrogenase [H.sapiens], sorbitol dehydrogenase, sorbitol dehydrogenase 1 |
| 4260 | 1877 | X74593 | | sorbitol dehydrogenase, sorbitol dehydrogenase 1 | ESTs, Highly similar to A54674 L-iditol 2-dehydrogenase [H.sapiens], sorbitol dehydrogenase, sorbitol dehydrogenase 1 |
| 3381 | 23419 | NM_019257 | I, J | splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS) | ESTs, Weakly similar to SFR5 MOUSE SPLICING FACTOR, ARGININE/SERINE-RICH 5 [M.musculus], Mus musculus, clone MGC:36924 IMAGE:4945988, mRNA, complete cds, RIKEN cDNA 1210001E11 gene, RIKEN cDNA 6330415C05 gene, splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor), splicing factor, arginine/serine-rich 4, splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS) |
| 3284 | 16681 | NM_017136 | A, B | squalene epoxidase stem cell growth factor, stem cell growth factor; lymphocyte secreted C-type lectin | Homo sapiens cDNA FLJ30795 fis, clone FEBRA2001124, squalene epoxidase |
| 1207 | 25149 | AB009246 | GG | | |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------------------|---|--|
| Seq ID | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 2930 | 20429 J05035 | F, T, GG, GGG, LLL | steroid 5 alpha-reductase 1, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) |
| 2930 | 20430 J05035 | F, T, GG, GGG, General Alternate | steroid 5 alpha-reductase 1, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) |
| 3107 | 21087 NM_012661 | FFF | steroid sulfatase, steroid sulfatase (microsomal), arylsulfatase C, isozyme S |
| 3973 | 16180 NM_138508 | L, LL, DDD | sterol carrier protein 2, sterol carrier protein 2, liver |
| 2062 | 15393 A1170663 | FFF, General Alternate | sterol regulatory element binding factor 1, sterol regulatory element binding factor 2, sterol regulatory element binding transcription factor 2 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|--|
| 3909 | 21842 | NM_080886 | I, J, II, XX, FFF | sterol-C4-methyl oxidase-like | cholesterol 25-hydroxylase, chromosome 5 open reading frame 4, sterol-C4-methyl oxidase-like |
| 3444 | 24321 | NM_022177 | G, J, S, WW, OOO, PPP, QQQ, General Core Tox Markers | stromal cell derived factor 1, stromal cell-derived factor 1 | |
| 791 | 17514 | AA925554 | VV, General Alternate | succinate dehydrogenase complex, subunit A, flavoprotein (Fp) | succinate dehydrogenase complex, subunit A, flavoprotein (Fp) |
| 3921 | 17512 | NM_130428 | S, General Alternate | succinate dehydrogenase complex, subunit A, flavoprotein (Fp) | succinate dehydrogenase complex, subunit A, flavoprotein (Fp) |
| 727 | 22847 | AA923982 | BBB, CCC | succinate-CoA ligase, ADP-forming, beta subunit | succinate-CoA ligase, ADP-forming, beta subunit |
| 3819 | 18174 | NM_053752 | BBB, CCC | succinate-CoA ligase, GDP-forming, alpha subunit | |
| 3819 | 18175 | NM_053752 | L, U, BBB, CCC, RRR | succinate-CoA ligase, GDP-forming, alpha subunit | |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|--|---|
| 3702 | 4748 | NM_031834 | GGG, SSS | sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 | Aryl sulfotransferase cytosolic, 1A, phenol-preferring, member 3, RIKEN cDNA 1110030E23 gene, sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 |
| 3702 | 4749 | NM_031834 | Y | sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 | Aryl sulfotransferase cytosolic, 1A, phenol-preferring, member 3, RIKEN cDNA 1110030E23 gene, sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 |
| 3679 | 24810 | NM_031732 | A, G, II, GGG, PPP, QQQ, General Alternate | sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 | Homo sapiens cDNA FLJ32344 fis, clone PROST2006450, moderately similar to N-HYDROXYARYLAMINE SULFOTRANSFERASE (EC 2.8.2.-), sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1C, member 2 |
| 3679 | 24811 | NM_031732 | A, B, G, S, VV, GGG, PPP, QQQ, General Core Tox Markers, General Alternate | sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 | Homo sapiens cDNA FLJ32344 fis, clone PROST2006450, moderately similar to N-HYDROXYARYLAMINE SULFOTRANSFERASE (EC 2.8.2.-), sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1C, member 2 |

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TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|--|--|
| 3261 | 20876 | NM_017050 | N, UUU | superoxide dismutase 1, soluble, superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) | EST, Weakly similar to SODC MOUSE SUPEROXIDE DISMUTASE [M.musculus]. superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) |
| 3261 | 20877 | NM_017050 | M | superoxide dismutase 1, soluble, superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) | EST, Weakly similar to SODC MOUSE SUPEROXIDE DISMUTASE [M.musculus]. superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) |
| 2703 | 21414 | A1235842 | W, NIN | 2, mitochondrial superoxide dismutase | |
| 3262 | 682 | NM_017051 | EEE, MMM | 2, mitochondrial superoxide dismutase | |
| 3163 | 494 | NM_012880 | General Alternate | 3, extracellular superoxide dismutase | superoxide dismutase 3, extracellular EST, Weakly similar to A35363 synapsin I splice form a [H.sapiens], ESTs, Weakly similar to A30411 synapsin Ia - rat [R.norvegicus], ESTs, Weakly similar to IRX2_HUMAN IROQUOIS-CLASS HOMEODOMAIN PROTEIN IRX-2 [H.sapiens], ESTs, Weakly similar to SYN1 MOUSE SYNAPSIN I [M.musculus], Mus musculus, clone IMAGE:3992752, mRNA, partial cds, PRO0149 protein, RIKEN cDNA 5830475F03 gene, 1810026J23 gene, RIKEN cDNA 4933428P19 gene, RIKEN cDNA 5830475F03 gene, guanine nucleotide binding protein (G protein), beta polypeptide 1-like, haspin, hypothetical protein BC007540, hypothetical protein BC011833, synapsin I |
| 3354 | 24785 | NM_019133 | SS | synapsin I | |
| 3198 | 1588 | NM_013026 | T, U, LLL, SSS | syndecan 1 | syndecan 1 |

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TABLE 3

| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|---|
| 3103 | 9423 | NM_012649 | I, J, L, U, W, EE, NNN, OOO, General Alternate | syndecan 4, syndecan 4 (amphiglycan, ryudocan) | syndecan 4, syndecan 4 (amphiglycan, ryudocan) |
| 3103 | 9424 | NM_012649 | C, L, W, DD, WW, NNN | syndecan 4, syndecan 4 (amphiglycan, ryudocan) | syndecan 4, syndecan 4 (amphiglycan, ryudocan) |
| 3442 | 20187 | NM_021869 | M | syntaxin 7 | syntaxin 7 |
| 3665 | 9428 | NM_031656 | RR | syntaxin 8 | syntaxin 8 |
| 3301 | 19031 | NM_017180 | Q, R | T-cell death associated gene, pleckstrin homology-like domain, family A, member 1 | ESTs, Weakly similar to S58222 PQ-rich protein [H.sapiens], T-cell death associated gene, pleckstrin homology-like domain, family A, member 1, pleckstrin homology-like domain, family A, member 3, tumor suppressing subtransferable candidate 3, tumor-suppressing subchromosomal transferable fragment 3 |
| 408 | 18578 | AA859980 | L, FF | t-complex 1, t-complex protein 1 | EST, Moderately similar to S10486 t-complex-type molecular chaperone TCP1 [H.sapiens], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 7 (eta), t-complex protein 1 |
| 2917 | 26368 | H34047 | E | t-complex 1, t-complex protein 1 | EST, Moderately similar to S10486 t-complex-type molecular chaperone TCP1 [H.sapiens], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 7 (eta), t-complex protein 1 |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | | |
|---------|--------------------------|---|---|--|
| Seq ID | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3624 | NM_031318 | P, ZZ, AAA | t-complex testis expressed 1, t-complex-associated-testis-expressed 1-like 1 | Homo sapiens, Similar to RIKEN cDNA 0610012D17 gene, clone MGC:33212 IMAGE:4830500, mRNA, complete cds, RIKEN cDNA 2310075M16 gene, t-complex testis expressed 1, t-complex-associated-testis-expressed 1-like, t-complex-associated-testis-expressed 1-like 1 |
| 3408 | NM_019381 | HHH, PPP, QQQ | testis enhanced gene transcript, testis enhanced gene transcript (BAX inhibitor 1) | RIKEN cDNA 2900002L20 gene, RIKEN cDNA 4930500J03 gene, RIKEN cDNA 5031406P05 gene, testis enhanced gene transcript (BAX inhibitor 1) |
| 3657 | NM_031614 | G, H, Q, II | thioredoxin reductase 1 | thioredoxin reductase 1, thioredoxin reductase 2 |
| 3657 | NM_031614 | Q, HH, ZZ, AAA, HHH | thioredoxin reductase 1 | thioredoxin reductase 1, thioredoxin reductase 2 |
| 3491 | NM_022584 | QQ | thioredoxin reductase 2 | thioredoxin reductase 2 |
| 3730 | NM_032614 | F | thioredoxin-like 2 | thioredoxin-like 2 |
| 3730 | NM_032614 | F | thioredoxin-like 2 | thioredoxin-like 2 |
| 4221 | 21122 X58228 | R, DDD, PPP, QQQ | thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial | mercaptopyruvate sulfurtransferase, thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial |

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TABLE 3

| Seq ID | GLCG ID No. | GenBank Acc.or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|--|
| 4221 | 21123 | X56228 | Q, R, SS, DDD, PPP, QQQ, General Alternate | thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial | mercaptopyruvate sulfurtransferase, thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial |
| 742 | 17116 | AA924339 | X, Y | Thy-1 cell surface antigen, thymus cell antigen 1, theta | Thy-1 cell surface antigen, thymus cell antigen 1, theta |
| 3111 | 17117 | NM_012673 | K | Thy-1 cell surface antigen, thymus cell antigen 1, theta | Thy-1 cell surface antigen, thymus cell antigen 1, theta |
| 3166 | 16871 | NM_012887 | T, EE, KKK, NNIN | thymopoietin | Thy-1 cell surface antigen, thymus cell antigen 1, theta |
| 3420 | 20816 | NM_021261 | O, P, NN, OO | thymosin, beta 10 | ESTs, Highly similar to THPA_HUMAN THYMOPOIETIN ALPHA [H.sapiens], RIKEN cDNA 5630400D24 gene, thymopoietin |
| 3167 | 24857 | NM_012888 | RR, SS | thyroid stimulating hormone receptor, thyroid stimulating hormone receptor | thyroid stimulating hormone receptor, thyroid stimulating hormone, receptor EST, Moderately similar to DLG2_RAT Channel associated protein of synapse-110 (Chapsyn-110) (Synaptic density protein PSD-93) (Discs, large homolog 2) [R.norvegicus], ESTs, Highly similar to DLG2_RAT Channel associated protein of synapse-110 (Chapsyn-110) (Synaptic density protein PSD-93) (Discs, large homolog 2) [R.norvegicus], ESTs, Weakly similar to SP02 MOUSE PRESYNAPTIC PROTEIN SAP102 [M.musculus], discs, large homolog 2 (Drosophila), discs, large homolog 2, chapsyn-110 (Drosophila), tight junction protein 2 |
| 4168 | 1279 | U75916 | A | tight junction protein 2, tight junction protein 2 (zona occludens 2) | Homo sapiens mRNA; cDNA DKFZp761A0617 (from clone DKFZp761A0617), tissue inhibitor of metalloproteinase 2 |
| 3443 | 243 | NM_021989 | EE | metalproteinase 2 | |

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|---|--|
| 1814 | 17234 | AI102741 | RR | tissue inhibitor of metalloproteinase 3, tissue inhibitor of metalloproteinase 3 (Sorsby dystrophy, pseudo-inflammatory) | tissue inhibitor of metalloproteinase 3, tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo-inflammatory) |
| 3203 | 2667 | NM_013048 | General Alternate | tocopherol (alpha) transfer protein, tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency) | |
| 699 | 23778 | AA899854 | U | topoisomerase (DNA) II alpha, topoisomerase (DNA) II alpha (170kD) | ESTs, Moderately similar to A40493 DNA topoisomerase [H.sapiens], ESTs, Weakly similar to topoisomerase (DNA) II alpha [Rattus norvegicus] [R.norvegicus], topoisomerase (DNA) II alpha, topoisomerase (DNA) II beta |
| 3446 | 23782 | NM_022183 | WW | topoisomerase (DNA) II alpha, topoisomerase (DNA) II alpha (170kD) | ESTs, Moderately similar to A40493 DNA topoisomerase [H.sapiens], ESTs, Weakly similar to topoisomerase (DNA) II alpha [Rattus norvegicus] [R.norvegicus], topoisomerase (DNA) II alpha, topoisomerase (DNA) II beta |
| 3110 | 24427 | NM_012669 | UU | transcription factor 1, transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor | Homo sapiens, Similar to hypothetical protein FLJ21616, clone MGC:14941 IMAGE:3947903, mRNA, complete cds, Mus musculus, clone IMAGE:3490304, mRNA, partial cds, hypothetical protein FLJ21616, transcription factor 1, transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor |

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TABLE 3

| Seq ID | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|--------------------------|---------------|---|---|
| 3263 | NM_017055 | S, V, NNN | transferrin | ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, transferrin |
| 3263 | NM_017055 | S, TT, NNN | transferrin | ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, transferrin |
| 4117 | U31866 | J, S | transferrin | ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, Transferrin, transferrin |
| 3576 | NM_030989 | CC, NN, OO | transformation related protein 53, tumor protein p53 (Li-Fraumeni syndrome) | transformation related protein 73, tumor protein p53 (Li-Fraumeni syndrome) |
| 903 | AA945169 | V, EE, HH, TT | transthyretin, transthyretin (prealbumin, amyloidosis type I) | expressed sequence AA408768, transthyretin, transthyretin (prealbumin, amyloidosis type I) |
| 903 | AA945169 | HH, TT | transthyretin (prealbumin, amyloidosis type I) | expressed sequence AA408768, transthyretin, transthyretin (prealbumin, amyloidosis type I) |
| 1870 | A1104399 | T, HHH | triophosphate isomerase, triophosphate isomerase 1 | EST, Highly similar to TPIS MOUSE TRIOSEPHOSPHATE ISOMERASE [M.musculus], ESTs, Highly similar to TPIS_HUMAN TRIOSEPHOSPHATE ISOMERASE [H.sapiens], Rattus norvegicus resection-induced TPI (rs11) mRNA, complete cds, triosephosphate isomerase, triosephosphate isomerase 1 |
| 3031 | M60666 | VV | tropomyosin 1 (alpha), tropomyosin 1, alpha | Homo sapiens cDNA FLJ30635 fis, clone CTONG2002520, expressed sequence A1854628, expressed sequence C76867, tropomyosin 4, tuffelin 1 |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Acc. or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|----------------------------------|--|--|
| 3352 | 455 | NM_019131 | H, VV | tropomyosin 1 (alpha), tropomyosin 1, alpha | Homo sapiens cDNA FLJ30635 fis, clone CTONG2002520, expressed sequence A1854628, expressed sequence C7667, tropomyosin 4, tuftelin 1 |
| 3288 | 20859 | NM_017144 | D, U, BBB, CCC, RRR, SSS | tropoin 1, cardiac | |
| 901 | 402 | AA945143 | C, E, DD, SS, WW, KKK, NNN | tryptophan 2,3-dioxygenase | tryptophan 2,3-dioxygenase DKFZp566D133 protein, EST, Moderately similar to TSC2_HUMAN TUBERIN [H.sapiens], Homo sapiens cDNA FLJ12339 fis, clone MAMMA1002250, KIAA1272 protein, tuberous sclerosis 2 |
| 3114 | 20776 | NM_012680 | XX, YY | tuberous sclerosis 2 | ESTs, Weakly similar to S12783 OX40 antigen precursor - rat [R.norvegicus], lymphotoxin B receptor, tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator), tumor necrosis factor receptor superfamily, member 19, tumor necrosis factor receptor superfamily, member 4, tumor necrosis factor receptor superfamily, member 7 |
| 3204 | 20535 | NM_013049 | I, J | tumor necrosis factor receptor superfamily, member 4 | EST, Moderately similar to S06590 IgE-dependent histamine-releasing factor [H.sapiens], EST, Weakly similar to TCTP MOUSE TRANSLATIONALLY CONTROLLED TUMOR PROTEIN [M.musculus], ESTs, Highly similar to S06590 IgE-dependent histamine-releasing factor [H.sapiens], ESTs, Moderately similar to TCTP_MOUSE Translationally controlled tumor protein (TCTP) (p23) (21 kDa polypeptide) (p21) (Lens epithelial protein) [R.norvegicus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 926491, apoptosis inhibitor, tumor protein, translationally-controlled 1 |
| 3845 | 17728 | NM_053867 | FF | tumor protein, translationally-controlled 1 | |

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TABLE 3

| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------|---|--|
| 3656 | 19340 | NM_031603 | HH | tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, epsilon polypeptide | ESTs, Highly similar to I38947 14-3-3 protein epsilon isoform [H.sapiens], tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, epsilon polypeptide |
| 3205 | 16683 | NM_013052 | W, SS, HHH | tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, eta polypeptide | ESTs, Highly similar to 143F MOUSE 14-3-3 PROTEIN ETA [M.musculus], tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, eta polypeptide, tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, gamma polypeptide |
| 3205 | 16684 | NM_013052 | W, JJ, GGG, HHH | tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, eta polypeptide | ESTs, Highly similar to 143F MOUSE 14-3-3 PROTEIN ETA [M.musculus], tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, eta polypeptide, tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, gamma polypeptide |
| 818 | 3817 | AA926328 | W | tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, zeta polypeptide | ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, zeta polypeptide |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------------------|---|--|
| Seq ID | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| | | | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide |
| 3195 | NM_013011 | A, B, P, VV | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide |
| 3195 | NM_013011 | O, P, R, VV | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide |
| 3109 | NM_012668 | C, D, I, J, NNN | tyrosine aminotransferase |
| 3818 | NM_053747 | Q, R, T | ubiquitin 1 |
| 1266 | AI008066 | F | ubiquinol-cytochrome c reductase hinge protein |

ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSPHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide

ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSPHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide

ESTs, Highly similar to S60718 tat protein [H.sapiens], Homo sapiens, Similar to tyrosine aminotransferase, clone MGC:22474 IMAGE:4710626, mRNA, complete cds, Mus musculus, Similar to Tyrosine aminotransferase, clone MGC:37790 IMAGE:5097591, mRNA, complete cds, tyrosine aminotransferase

ESTs, Highly similar to ataxin-1 ubiquitin-like interacting protein; A1U protein; chromosome 1 open reading frame 6 [Homo sapiens] [H.sapiens], RIKEN cDNA 1110046H03 gene, ataxin-1 ubiquitin-like interacting protein, ubiquitin 1, ubiquitin 2

ubiquinol-cytochrome c reductase hinge protein

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|---|--|
| 3669 | 19727 | NM_031687 | N | ubiquitin A-52 residue ribosomal protein fusion product 1 | EST, Highly similar to S66575 ubiquitin / ribosomal protein CEP52 - rat (fragment) [R.norvegicus], EST, Moderately similar to ubiquitin A-52 residue ribosomal protein fusion product 1; ubiquitin/60S ribosomal fusion protein [Mus musculus] [M.musculus], ESTs, Moderately similar to ubiquitin A-52 residue ribosomal protein fusion product 1; ubiquitin/60S ribosomal fusion protein [Mus musculus] [M.musculus], ESTs, Weakly similar to UQHUR ubiquitin / ribosomal protein CEP52 [H.sapiens], Neural precursor cell expressed, developmentally down-regulated gene 8, Rattus norvegicus RSD-7 mRNA, complete cds, neural precursor cell expressed, developmentally down-regulated gene 8, ubiquitin A-52 residue ribosomal protein fusion product 1 |
| 3879 | 15124 | NM_057105 | J, K, L, N, S, U, FF, GG, HH, TT, LLL, UUU | UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide A6, UDP-glucuronosyltransferase 1 family, member 1 | UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 polypeptide A8 |
| 3879 | 15126 | NM_057105 | I, J, K, L, M, N, U, X, Y, GG, HH, LLL, SSS, UUU | UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide A6, UDP-glucuronosyltransferase 1 family, member 1 | UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 polypeptide A8 |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|--------------------------|--|---|
| Seq ID | GenBank Acc or RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| | | UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide I, J, K, L, M, S, U, X, GG, HH, TT, LLL, SSS, UUU | UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 family, member 1 polypeptide A8 |
| 3879 | NM_057105 | | |
| | | UDP glycosyltransferase 1 family, polypeptide A6 | UDP glycosyltransferase 1 family, polypeptide A6 |
| 3879 | NM_057105 | | |
| | | UDP glycosyltransferase 1 family, polypeptide A6 | UDP glycosyltransferase 1 family, polypeptide A6 |
| 3879 | NM_057105 | | |
| | | UDP glycosyltransferase 1 family, polypeptide A6 | UDP glycosyltransferase 1 family, polypeptide A6 |
| 3879 | NM_057105 | | |
| | | UDP-glucose pyrophosphorylase 2 | UDP-glucose pyrophosphorylase 2 |
| 2066 | A170679 | | |
| | | UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase | UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase |
| 3823 | NM_053765 | | |
| | | I, U, X, Y, DDD, LLL | |

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TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|--|--|
| 4115 | 317 | U29339 | RR, XX, YY | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) | ESTs, Weakly similar to A53183 epidermal growth factor receptor precursor - mouse [M.musculus], Homo sapiens clone R2 ErbB-3 R2 (c-erbB-3) mRNA, partial cds, Mus musculus, clone MGC:38648 IMAGE:5356166, mRNA, complete cds, v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) |
| 2452 | 16203 | A1229196 | N | vesicle-associated membrane protein 1, vesicle-associated membrane protein 1 (synaptobrevin 1), vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2) | vesicle-associated membrane protein 1, vesicle-associated membrane protein 2, vesicle-associated membrane protein 4 |
| 3108 | 16198 | NM_012663 | BB, CC | vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2) | |
| 3108 | 16199 | NM_012663 | Z, AA | vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2) | |

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| Seq ID | GLGC ID No. | Genbank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------|--|--|
| 3874 | 23250 | NM_057097 | ZZ, AAA | vesicle-associated membrane protein 3, vesicle-associated membrane protein 3 (cellubrevin) | ESTs, Weakly similar to vesicle-associated membrane protein 3 [Rattus norvegicus] [R.norvegicus], vesicle-associated membrane protein 3, vesicle-associated membrane protein 3 (cellubrevin), vesicle-associated membrane protein 4 |
| 3361 | 24362 | NM_019156 | M, N, SS | vitronectin, vitronectin (serum spreading factor, somatomedin B, complement S-protein) | |
| 4101 | 1424 | U14746 | W | von Hippel-Lindau syndrome, von Hippel-Lindau syndrome homolog | von Hippel-Lindau syndrome, von Hippel-Lindau syndrome homolog |
| 3100 | 20798 | NM_012639 | V, X, Y | v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1 | ESTs, Highly similar to B-raf oncogene [M.musculus], Mouse B-raf oncogene mRNA, complete cds, RIKEN cDNA 4921513O20 gene, v-raf murine sarcoma viral oncogene homolog B1, v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1 |
| 3100 | 20799 | NM_012639 | I | v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1 | ESTs, Highly similar to B-raf oncogene [M.musculus], Mouse B-raf oncogene mRNA, complete cds, RIKEN cDNA 4921513O20 gene, v-raf murine sarcoma viral oncogene homolog B1, v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1 |
| 3760 | 17252 | NM_053402 | O, P, PP, QQ | wingless-related MMTV integration site 4, wingless-type MMTV integration site family, member 4 | wingless-related MMTV integration site 3, wingless-related MMTV integration site 3A, wingless-related MMTV integration site 4, wingless-related MMTV integration site 7B, wingless-type MMTV integration site family, member 3A, wingless-type MMTV integration site family, member 7B |

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|--|--|
| 3293 | 21975 | NM_017154 | E, FF, LLL, RRR, SSS, UUU, General Alternate | xanthene dehydrogenase, xanthine dehydrogenase | ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1, zinc finger protein 36, C3H type-like 2 |
| 1939 | 20920 | A1136891 | W | zinc finger protein 36, C3H type-like 1 | ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1 |
| 3300 | 20919 | NM_017172 | L | zinc finger protein 36, C3H type-like 1 | 2,4-dienoyl CoA reductase 1, mitochondrial, 2,4-dienoyl CoA reductase 2, peroxisomal, 2,4-dienoyl-Coenzyme A reductase 2, peroxisomal, RIKEN cDNA 5430405K24 gene, putative peroxisomal 2,4-dienoyl-CoA reductase |
| 1830 | 3279 | A1103224 | U, LL, RRR, SSS, UUU | | 20 alpha-hydroxysteroid dehydrogenase, ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4), expressed sequence AW146047 |
| 414 | 4462 | AA866264 | General Alternate | | |
| 3450 | 20299 | NM_022220 | A, B, Y, FFF, GGG, HHH, LLL, PPP, QQQ, General Core Tox Markers | | 24-dehydrocholesterol reductase, Mus musculus, clone MGC:29968 IMAGE:5123684, mRNA, complete cds |
| 2833 | 23220 | AJ000347 | V, X, Y, HH, JJ, SS, ZZ, AAA, HHH | | 3'(2'), 5'-bisphosphate nucleotidase 1, ESTs, Moderately similar to INPP MOUSE INOSITOL POLYPHOSPHATE 1-PHOSPHATASE [M.musculus], bisphosphate 3'-nucleotidase 1, hypothetical protein FLJ20421, inositol polyphosphate-1-phosphatase |

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TABLE 3

| Seq ID | CLCC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|-------------------------------------|----------------------------------|--|
| 2574 | 15582 | A1232320 | U, FF, PP, QQ Y, FF, RRR, SSS | | 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2, 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) |
| 3014 | 15579 | M33648 | U, FF | | 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) |
| 3014 | 15580 | M33648 | U, FF | | 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) |
| 3867 | 17739 | NM_053995 | General Alternate | | 3-hydroxybutyrate dehydrogenase (heart, mitochondrial), ESTs, Weakly similar to BDH_RAT D-beta-hydroxybutyrate dehydrogenase, mitochondrial precursor (BDH) (3-hydroxybutyrate dehydrogenase) [R.norvegicus], RIKEN cDNA 0610039E24 gene, RIKEN cDNA 2310032J20 gene, retinol dehydrogenase 7, retinol dehydrogenase type 5 |
| 1459 | 21950 | A1013861 | G, General Alternate | | 3-hydroxyisobutyrate dehydrogenase, ESTs, Highly similar to D3H1_HUMAN 3-HYDROXYISOBUTYRATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (HIBADH) [H.sapiens], RIKEN cDNA 3930401K13 gene |
| 592 | 22537 | AA892799 | S | | 3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypruvate reductase, phosphoglycerate dehydrogenase |
| 592 | 22538 | AA892799 | M | | 3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypruvate reductase, phosphoglycerate dehydrogenase |
| 2557 | 22542 | A1232066 | QQ, XX, YY | | 3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypruvate reductase, phosphoglycerate dehydrogenase |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--|----------------------------------|--|
| 2877 | 134 | D87839 | A, B, II, JJJ, OOO, General Core Tox Markers | | 4-aminobutyrate aminotransferase, RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase |
| 2877 | 135 | D87839 | B, J, OO, RRR | | 4-aminobutyrate aminotransferase, RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase |
| 1863 | 3259 | A1104245 | SS, TT | | 5'-nucleotidase, cytosolic IB, Homo sapiens, clone IMAGE:3140944, mRNA, partial cds, Homo sapiens, similar to unnamed protein product, clone MGC:34672 IMAGE:5199154, mRNA, complete cds, PAN2 protein, hypothetical protein BC009881 |
| 3848 | 15934 | NM_053904 | W | | 5-oxoprolinase (ATP-hydrolysing), RIKEN cDNA 1700010G02 gene |
| 3465 | 12082 | NM_022389 | KKK, NNN, General Alternate | | 7-dehydrocholesterol reductase, expressed sequence AI505894 |
| 3465 | 12083 | NM_022389 | KKK, NNN, General Alternate | | 7-dehydrocholesterol reductase, expressed sequence AI505894 |
| 3419 | 13486 | NM_020306 | O, P | | a disintegrin and metalloproteinase domain 17, a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme) A kinase (PRKA) anchor protein 1, Mus musculus, clone IMAGE:4512174, mRNA, partial cds, tudor and KH domain-containing protein, tudor domain containing 1, tudor repeat associator with PCTAIRE 2 |
| 3985 | 5719 | NM_138871 | DD, EE | | A kinase (PRKA) anchor protein 8, ESTs, Weakly similar to A53414 A-kinase anchor protein 95, AKAP95 - rat [R.norvegicus], Mus musculus 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610301A12.neighbor of A-kinase anchoring protein 95, full insert sequence, expressed sequence AI467606, neighbor of A-kinase anchoring protein 95, zinc finger protein 326 |
| 4086 | 347 | U01914 | Q, WW | | |

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TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------------|----------------------------------|---|
| 1279 | 4098 | AI008642 | VV | | Acid nuclear phosphoprotein 32 (leucine rich), ESTs, Weakly similar to LANP_RAT |
| 3358 | 17304 | NM_019144 | GG | | Leucine-rich acidic nuclear protein [R.norvegicus], acidic (leucine-rich) nuclear phosphoprotein 32 family, member A, acidic nuclear phosphoprotein 32, cerebellar ataxia 3, hypothetical gene MGC16309 |
| 3340 | 17516 | NM_017321 | RRR, SSS | | acid phosphatase 5, tartrate resistant |
| 1678 | 22684 | AI070323 | VV | | aconitase 1, aconitase 1, soluble |
| 3682 | 20724 | NM_031753 | XX, YY, ZZ, AAA, LLL, RRR, SSS | | actin related protein 2/3 complex, subunit 2 (34 kD) |
| 2315 | 3968 | AI178764 | RR, SS | | activated leucocyte cell adhesion molecule, activated leukocyte cell adhesion molecule |
| 4280 | 853 | X95189 | M, XX, YY | | Acyl-Coa dehydrogenase, Very long chain, EST, Moderately similar to ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC [M.musculus], EST, Weakly similar to ACDV_RAT Acyl-CoA dehydrogenase, very-long-chain specific, mitochondrial precursor (VLCAD) [R.norvegicus], EST, Weakly similar to S54183 acyl-CoA dehydrogenase [H.sapiens], RIKEN cDNA 2600017P15 gene, acyl-Coenzyme A dehydrogenase, very long chain |
| 687 | 4636 | AA899491 | NN, OO, EEE, MMM | | acyl-Coenzyme A oxidase 2, branched chain |
| 277 | 23981 | AA850040 | O, P | | adaptor-related protein complex 1, mu 1 subunit |
| 3861 | 15324 | NM_053979 | R | | adenyl cyclase-associated CAP protein homolog 1 (S. cerevisiae, S. pombe), adenylyl cyclase-associated protein |
| 2950 | 4144 | L12380 | PP, QQ, TT | | ADP-ribosylation factor 1, ADP-ribosylation factor-like 5, EST, Weakly similar to ADP-ribosylation factor-like 5 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to ADP-RIBOSYLATION FACTOR 1 [M.musculus], Homo sapiens, similar to ADP-ribosylation factor-like 5, clone MGC:22841 IMAGE:3931095, mRNA, complete cds, expressed sequence T25534 |
| | | | | | ADP-ribosylation factor 1, ADP-ribosylation-like 6, ESTs, Weakly similar to ADP-RIBOSYLATION FACTOR 1 [M.musculus], expressed sequence T25534 |

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TABLE 3

| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------------|----------------------------------|---|
| 3539 | 17517 | NM_024151 | LL, UU | | ADP-ribosylation factor 4 ADP-ribosylation factor 5, ESTs, Moderately similar to ADP-RIBOSYLATION FACTOR 5 [M.musculus], ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus] |
| 3538 | 15367 | NM_024149 | X, Y | | ADP-ribosylation factor 6, ESTs, Moderately similar to S39543 GTP-binding protein - mouse [M.musculus], ESTs, Weakly similar to ARF6_HUMAN ADP-ribosylation factor 6 [R.norvegicus], GTP-binding protein Sara, RIKEN cDNA 2310075M17 gene, SAR1 protein, SAR1a gene homolog (S. cerevisiae), hypothetical protein FLJ22595 |
| 1893 | 17770 | AI105294 | LL | | ADP-ribosylation factor 6, ESTs, Weakly similar to ARF6_HUMAN ADP-RIBOSYLATION FACTOR 6 [M.musculus], ESTs, Weakly similar to ARF6_HUMAN ADP-ribosylation factor 6 [R.norvegicus], RIKEN cDNA 1110033P22 gene, RIKEN cDNA 2310075M17 gene, RIKEN cDNA 9130014L17 gene, SAR1 protein, SAR1a gene homolog (S. cerevisiae), hypothetical protein FLJ22595 |
| 3540 | 21696 | NM_024152 | O, P, Q, R | | ADP-ribosylation factor-like 1, ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus], RIKEN cDNA 2310008D22 gene |
| 448 | 15933 | AA875253 | PP, QQ | | ADP-ribosylation factor-like 1, ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus], RIKEN cDNA 2310008D22 gene |
| 3464 | 15931 | NM_022385 | T | | AFG3 ATPase family gene 3-like 1 (yeast), BCS1-like (yeast), EST, Weakly similar to PRS4_HUMAN 26S protease regulatory subunit 4 (P26S4) [M.musculus], ESTs, Highly similar to PRS4_HUMAN 26S protease regulatory subunit 4 (P26S4) [H.sapiens], Homo sapiens cDNA FLJ31926 fis, clone NT2RP7005502, moderately similar to Homo sapiens mRNA for paraplegin-like protein, protease (prosome, macropain) 26S subunit, ATPase 1, proteasome (prosome, macropain) 26S subunit, ATPase, 1 |
| 2870 | 727 | D50696 | Y, CCC, PPP, QQQ | | aldehyde dehydrogenase 3 family, member B1, aldehyde dehydrogenase 3 family, member B2, aldehyde dehydrogenase 3 family, member A1, aldehyde dehydrogenase family 3, subfamily A1 |
| 3714 | 24644 | NM_031972 | GG | | |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|---|
| 2636 | 13023 | A1233740 | VV | | Aldehyde reductase 1 (low Km aldehyde reductase) (5.8 kb PstI fragment, probably the functional gene), EST, Weakly similar to A39763 aldehyde reductase [H.sapiens], ESTs, Moderately similar to ALDR_RAT Aldehyde reductase (AR) (Aldehyde reductase) [R.norvegicus], ESTs, Weakly similar to ALDR_RAT Aldehyde reductase (AR) (Aldehyde reductase) [R.norvegicus], RIKEN cDNA 2310005E10 gene, aldo-keto reductase family 1, member B1 (aldose reductase), aldo-keto reductase family 1, member B3 (aldose reductase), fibroblast growth factor regulated protein |
| 839 | 21993 | AA943149 | A, B | | ALEX1 protein, ALEX3 protein, ESTs, Weakly similar to T00084 hypothetical protein KIAA0512 [H.sapiens], armadillo repeat protein ALEX2, hypothetical protein MGC3195 |
| 1180 | 26120 | AA998619 | D | | Alg5, S. cerevisiae, homolog of |
| 1594 | 7552 | A1045802 | G, General Alternate | | alpha 7A integrin, glycosylphosphatidylinositol specific phospholipase D1, integrin alpha 6, integrin alpha 7, integrin, alpha 6, integrin, alpha 7 |
| 706 | 4725 | AA900290 | Z, MM, TTT | | Alpha-2-macroglobulin, CCR4 carbon catabolite repression 4-like (S. cerevisiae), ESTs, Weakly similar to A2MG MOUSE ALPHA-2-MACROGLOBULIN PRECURSOR [M.musculus], Homo sapiens, clone MGC:1119 IMAGE:2959975, mRNA, complete cds, Mus musculus, clone MGC:29037 IMAGE:3598248, mRNA, complete cds, Mus musculus, clone MGC:29167 IMAGE:5052974, mRNA, complete cds, alpha-2-macroglobulin, carbon catabolite repression 4 homolog (S. cerevisiae), pregnancy-zone protein |
| 3531 | 8266 | NM_023103 | N, SS, TT General Alternate | | alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1 |
| 3531 | 8267 | NM_023103 | General Alternate | | alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1 |
| 3531 | 8269 | NM_023103 | RR, WW | | alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1 |
| 515 | 17779 | AA891914 | Q, R, NNN | | aminoacylase 1 |

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TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|---|
| 4021 | 11494 | NM_144755 | Q, W | | AMP-activated protein kinase, ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], ESTs, Weakly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [M.musculus], G-protein-coupled receptor induced protein GIG2, Mus musculus, clone IMAGE:4947563, mRNA, partial cds, maternal embryonic leucine zipper kinase, protein kinase, AMP-activated, alpha 2 catalytic subunit |
| 3011 | 4225 | M31322 | GG | | amyloid beta (A4) precursor-like protein 2 Amyloid protein precursor-like protein 2, ESTs, Weakly similar to EPP1_MOUSE Eppin precursor [M.musculus], amyloid beta (A4) precursor-like protein 1, amyloid beta (A4) precursor-like protein 2 |
| 666 | 18419 | AA894130 | S | | angiotensin receptor 1 |
| 3573 | 24648 | NM_030985 | F, LL, FFF | | annexin A5 |
| 3225 | 16650 | NM_013132 | O, VV | | APC11 anaphase promoting complex subunit 11 homolog (yeast), ESTs, Highly similar to T51146 ring-box protein 1 [H.sapiens], ESTs, Weakly similar to T51146 ring-box protein 1 [H.sapiens], ring finger protein 7, ring-box 1 |
| 289 | 22797 | AA850733 | LL | | apolipoprotein A-II |
| 4187 | 428 | X03468 | T | | apolipoprotein C-II, apolipoprotein CII |
| 206 | 6329 | AA819259 | XX, YY | | apolipoprotein C-IV, apolipoprotein CIV |
| 904 | 16635 | AA945171 | D | | apolipoprotein M |
| 3405 | 15066 | NM_019373 | PPP, QQQ | | |

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| TABLE 3 | | | | | |
|---------|-------------|--------------------------|------------|----------------------------------|---|
| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3619 | 21624 | NM_031144 | VV | | <p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Highly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p> |
| 3619 | 21625 | NM_031144 | II | | <p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Highly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p> |

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TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 1075 | 18830 | AA964496 | T, W | | ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599 |
| 1867 | 18831 | AI104357 | S, T, W | | ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599 |
| 3138 | 721 | NM_012780 | RR | | Aryl hydrocarbon receptor nuclear translocator 2, aryl hydrocarbon receptor nuclear translocator, aryl hydrocarbon receptor nuclear translocator 2, aryl hydrocarbon receptor nuclear translocator-like |

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TABLE 3

| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------|----------------------------------|---|
| 3821 | 10909 | NM_053756 | U | | ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3, EST, Moderately similar to ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to AT93 MOUSE ATP SYNTHASE LIPID-BINDING PROTEIN P3 PRECURSOR [M.musculus] |
| 3409 | 22727 | NM_019383 | GG | | ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d, EST, Weakly similar to ATPQ_HUMAN ATP SYNTHASE D CHAIN, MITOCHONDRIAL [H.sapiens], EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [R.norvegicus] EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [R.norvegicus] EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [H.sapiens], similar to ATPQ_HUMAN ATP SYNTHASE D CHAIN, MITOCHONDRIAL [H.sapiens], EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [R.norvegicus], myo-inositol 1-phosphate synthase A1 |
| 3409 | 18141 | NM_019383 | Y, JJ | | ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 |
| 1828 | 17400 | A1103097 | KKK | | ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle, EST, Moderately similar to A35730 H+-transporting ATP synthase (EC 3.6.1.34) alpha chain precursor - rat (fragment) [R.norvegicus] |
| 3922 | 18810 | NM_130430 | OOO | | ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit, EST, Moderately similar to ATPD_HUMAN ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSO [H.sapiens], RIKEN cDNA 0610008F14 gene, RIKEN cDNA 1500000111 gene, expressed sequence AI467246 |
| 4006 | 18450 | NM_139106 | LL, CCC, RRR | | |

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TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 3988 | 7394 | NM_138883 | DDD | | ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit, ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein), EST, Weakly similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens], ESTs, Highly similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens], ESTs, Moderately similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens] |
| 2409 | 11782 | A1228004 | Z, AA | | ATPase, Class VI, type 11C, ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1, ATPase, class VI, type 11A, ATPase, class VI, type 11C, ESTs, Weakly similar to ATPase, class 1, member h; ATPase 11A, p type; ATPase 11A, class VI [Mus musculus] [M.musculus], RIKEN cDNA 111001914 gene |
| 3846 | 20939 | NM_053884 | FFF | | ATPase, H+ transporting, lysosomal 14kD, V1 subunit F |
| 3928 | 7863 | NM_130823 | II | | ATPase, H+ transporting, lysosomal 16kD, V0 subunit C, ATPase, H+ transporting, lysosomal 16kD, V0 subunit c, ATPase, H+ transporting, lysosomal 21kD, V0 subunit c", ATPase, H+ transporting, lysosomal 21kDa, V0 subunit B, ESTs, Weakly similar to VATL_MOUSE Vacuolar ATP synthase 16 kDa proteolipid subunit [R.norvegicus], Mus musculus, Similar to ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC:6568 IMAGE:2812497, mRNA, complete cds |
| 3928 | 7865 | NM_130823 | OOO | | ATPase, H+ transporting, lysosomal 16kD, V0 subunit C, ATPase, H+ transporting, lysosomal 16kD, V0 subunit c, ATPase, H+ transporting, lysosomal 21kD, V0 subunit c", ATPase, H+ transporting, lysosomal 21kDa, V0 subunit B, ESTs, Weakly similar to VATL_MOUSE Vacuolar ATP synthase 16 kDa proteolipid subunit [R.norvegicus], Mus musculus, Similar to ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC:6568 IMAGE:2812497, mRNA, complete cds |

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| Human Homologous Sequence Cluster Title | | | |
|---|----------------------------------|---|--|
| Seq. ID | GLGC ID No. | Genbank Accor. RefSeq ID | Human Homologous Known Gene Name |
| Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| | | | ATPase, H+ transporting, lysosomal 56/58kD, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness), ATPase, H+ transporting, lysosomal 56/58kD, V1 subunit B, isoform 2, ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 1, EST, Moderately similar to VAB2_MOUSE Vacuolar ATP synthase subunit B, brain isoform (V ATPase B2 subunit) (Vacuolar proton pump B isoform 2) (Endomembrane proton pump 58 kDa subunit) [R.norvegicus], ESTs, Highly similar to VAB2_MOUSE VACUOLAR ATP SYNTHASE SUBUNIT B, BRAIN ISOFORM (V-ATPASE B2 SUBUNIT) (VACUOLAR PROTON PUMP B ISOFORM 2) (ENDOMEMBRANE PROTON PUMP 58 KDA SUBUNIT) [M.musculus] |
| 4286 | 3831 | Y12635 | |
| | | | O, P, Q, II, MM, VV, PPP, TTT |
| 3689 | 16178 | NM_031785 | |
| | | | T, V, JJ, KK |
| 3223 | 23709 | NM_013113 | |
| | | | I, M, MM, TT, TTT |
| 3223 | 23710 | NM_013113 | |
| | | | I, M, MM, TTT |
| 3223 | 23711 | NM_013113 | |
| | | | I, M, MM, WW, TTT |
| 1314 | 12071 | AI009456 | |
| | | | U, X, Y, LLL, UUU |
| 3685 | 4314 | NM_031760 | |
| | | | G, L, BB, II, VV, DDD |
| | | | ATPase, Na+/K+ transporting, beta 1 polypeptide ATPase, Na+/K+ transporting, beta 1 polypeptide ATPase, Na+/K+ transporting, beta 1 polypeptide ATP-binding cassette, sub-family A (ABC1), member 8, ESTs, Weakly similar to ABC2 MOUSE ATP-BINDING CASSETTE TRANSPORTER 2 [M.musculus], hypothetical protein FLJ14297 ATP-binding cassette, sub-family B (MDR/TAP), member 11, ATP-binding cassette, sub-family F (GCN20), member 2 |

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| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------|----------------------------------|---|
| 2701 | 3650 | A1235738 | S | | ATP-binding cassette, sub-family C (CFTR/MRP), member 4, ATP-binding cassette, sub-family C (CFTR/MRP), member 9, ESTs, Weakly similar to ATP-binding cassette, sub-family C, member 9, isoform c; sulfonyleurea-binding protein 2; sulfonyleurea receptor 2 [Mus musculus] [M.musculus], Homo sapiens cDNA FLJ31957 fis, clone NT2RP7007381, highly similar to Sulfonyleurea receptor 2A, Mus musculus adult male pituitary gland cDNA, RIKEN full-length enriched library, clone:5330439B14:ATP-binding cassette, sub-family C (CFTR/MRP), member 9, full insert sequence |
| 2026 | 24146 | A1169668 | R | | ATP-binding cassette, sub-family F (GCN20), member 2 |
| 4043 | 9176 | NM_153303 | HH | | ATP-dependant interferon responsive, Mus musculus, clone IMAGE:4952483, mRNA, partial cds, Mus musculus, clone MGC:18883 IMAGE:4238480, mRNA, complete cds, dystonia 1, torsion (autosomal dominant; torsin A), torsin family 2, member A, torsin family 3, member A |
| 2138 | 4193 | A1172274 | PPP | | AU RNA binding protein/enoyl-Coenzyme A hydratase, ESTs, Weakly similar to I37195 AU-specific RNA-binding protein / enoyl-CoA hydratase homolog [H.sapiens], enoyl coenzyme A hydratase 1, peroxisomal, uncharacterized hypothalamus protein HCDASE |
| 1879 | 3504 | A1104659 | BB, CC, PP, QQ | | B-cell CLL/lymphoma 10, B-cell leukemia/lymphoma 10 |
| 4020 | 15703 | NM_144750 | E, FFF, General Alternate | | B-cell CLL/lymphoma 3, B-cell leukemia/lymphoma 3, DNA segment, EST 1068184, ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], Homo sapiens cDNA FLJ11375 fis, clone HEMBA1000411, weakly similar to ANKYRIN, Homo sapiens clone 24649 mRNA sequence, Homo sapiens, similar to RIKEN cDNA 1700007B22, clone MGC:26734 IMAGE:4826296, mRNA, complete cds, KIAA1223 protein, hypothetical protein DKFZp564O043, nuclear factor kappa B p105 subunit, nuclear factor of kappa light chain gene enhancer in B-cells 1, p105, nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100 |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------------------|----------------------------------|--|
| 2967 | 13499 | L26267 | O, P, Q, R, W, NN, OO, PP, QQ | | B-cell CLL/lymphoma 3, B-cell leukemia/lymphoma 3, ESTs, Weakly similar to NUCLEAR FACTOR NF-KAPPA-B P105 SUBUNIT [M.musculus], ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], Mus musculus, clone MGC:7734 IMAGE:3498403, mRNA, complete cds, nuclear factor of kappa light chain gene enhancer in B-cells 1, p105, nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100 |
| 3416 | 18702 | NM_020080 | T, MM, TTT | | B-cell linker, DKFZP564J0123 protein, RIKEN cDNA 4733401H18 gene, hypothetical gene supported by BC007071 |
| 4165 | 16398 | U75392 | UU, BBB, CCC | | B-cell receptor-associated protein 37, ESTs, Highly similar to S46996 B-cell receptor-associated protein BAP37 - mouse [M.musculus], ESTs, Weakly similar to PHB HUMAN PROHIBIT [H.sapiens], Homo sapiens, clone MGC:20874 IMAGE:4547239, mRNA, complete cds, hypothetical protein MGC13071 |
| 1328 | 22545 | A1009747 | I, J, MM, TTT | | B-cell translocation gene 1, anti-proliferative, ESTs, Highly similar to TOB1_HUMAN TOB1 PROTEIN [H.sapiens], transducer of ERBB2, 1, transducer of ERBB2, 2, transducer of ErbB-2.1 |
| 2380 | 9821 | A1180114 | O, P, PP, QQ | | BCL2/adenovirus E1B 19 kDa-interacting protein 1, NIP2, ESTs, Weakly similar to NIP2 MOUSE BCL2/ADENOVIRUS E1B 19-KDA PROTEIN-INTERACTING PROTEIN 2 [M.musculus], KIAA0367 protein, KIAA1872 protein, Mus musculus, Similar to Rho GTPase activating protein 1, clone MGC:7050 IMAGE:3156467, mRNA, complete cds, RIKEN cDNA 3110043J09 gene, hypothetical protein MGC8103 |
| 3911 | 13799 | NM_080888 | L, Z | | BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like |
| 3911 | 19605 | NM_080888 | I, J, L, Z | | BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like |
| 3911 | 23033 | NM_080888 | L | | BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like |
| 3510 | 17757 | NM_022698 | YY | | BCL2-antagonist of cell death, Bcl-associated death promoter |
| 3831 | 4361 | NM_053812 | O, P | | BCL2-antagonist/killer 1, Mus musculus N-BAK1 (Bak1) mRNA, complete cds, alternatively spliced, RIKEN cDNA 0610031G08 gene |

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| TABLE 3 | | | | |
|---------|-------------|-------------------------|-----------------|--|
| Seq ID | GLGG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 375 | 15172 | AA859362 | XX, YY | Human Homologous Sequence Cluster Title BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene |
| 2545 | 15171 | A1231792 | Q, AA | BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene |
| 826 | 22677 | AA942718 | C, F, W, HH, II | BCL2-related ovarian killer, Bcl2-like |
| 3641 | 445 | NM_031535 | I, J | BCL2-related ovarian killer, Bcl2-like, ivb (bacterial acetolactate synthase)-like |
| 212 | 17824 | AA819362 | LL | beta-site APP-cleaving enzyme, hypothetical protein MGC7474 |
| 2888 | 1888 | E13573 | F, X, Y, LLL | BH3 interacting (with BCL2 family) domain, apoptosis agonist, ESTs, Weakly similar to HRK MOUSE ACTIVATOR OF APOPTOSIS HARAKIRI [M.musculus], harakiri, BCL2 interacting protein (contains only BH3 domain) |
| 4014 | 8719 | NM_139333 | GG | Bmp2-induced gene, ESTs, Weakly similar to T2D4 HUMAN TRANSCRIPTION INITIATION FACTOR TF1ID 100 KDA SUBUNIT [H.sapiens], Mus musculus F-box-WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, RIKEN cDNA 1500009K01 gene, RIKEN cDNA 2310009C03 gene, RIKEN cDNA 4933429D11 gene, TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65 kD, WD repeat domain 18, guanine nucleotide binding protein (G protein), beta polypeptide 1, guanine nucleotide binding protein beta subunit 4, guanine nucleotide binding protein, beta 1, guanine nucleotide binding protein, beta 4, hypothetical protein FLJ00012, nuclear matrix protein NMP200 related to splicing factor PRP19 |
| 2865 | 1350 | D38560 | DD, EE, NNN | Bmp2-inducible kinase, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ (Hsp40) homolog, subfamily C, member 6, ESTs, Weakly similar to PTEN MOUSE PROTEIN-TYROSINE PHOSPHATASE PTEN [M.musculus], Mus musculus, Similar to cyclin G associated kinase, clone IMAGE:3487931, mRNA, partial cds, cyclin G associated kinase |
| 3570 | 1035 | NM_030851 | I, J | bradykinin receptor B1, bradykinin receptor, beta |
| 594 | 11997 | AA892828 | MM, DDD, TTT | branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------|----------------------------------|---|
| 594 | 11998 | AA892828 | MM, TTT | | branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta |
| 1028 | 12000 | AA957319 | MM, TTT | | branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta |
| 2187 | 5876 | A1176117 | UU | | branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta |
| 4039 | 8278 | NM_148892 | Q, R | | BRCA1 associated RING domain 1, BRCA1-associated RING domain protein 1, RIKEN cDNA 5830466J11 gene, SH3 domain protein 3, ankyrin repeat and SOCS box-containing 12, expressed sequence C78236, osteoclast stimulating factor 1 |
| 3808 | 9055 | NM_053631 | X, Y, UUU | | Breakpoint cluster region protein, uterine leiomyoma, 1; barrier to autointegration factor, breakpoint cluster region protein 1, expressed sequence C78287 |
| 3588 | 20899 | NM_031041 | TT, ZZ, AAA | | BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S.cerevisiae), Mus musculus, general transcription factor IIB, clone MGC:6859 IMAGE:2650779, mRNA, complete cds, general transcription factor IIB |
| 3575 | 21801 | NM_030987 | ZZ, AAA | | BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast), ESTs, Weakly similar to guanine nucleotide-binding protein, beta-1# subunit [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae), guanine nucleotide binding protein, beta 1, neural precursor cell expressed, developmentally down-regulated gene 1 |
| 3575 | 21802 | NM_030987 | O, P, VV, AAA | | BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast), ESTs, Weakly similar to guanine nucleotide-binding protein, beta-1# subunit [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae), guanine nucleotide binding protein, beta 1, neural precursor cell expressed, developmentally down-regulated gene 1 |

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| TABLE 3 | | Genbank Accession RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|-----------|----------------|-----------------------------------|-------------|-------------------------------------|---|
| Seq ID | GLGG ID No. | | | | |
| 2055 | 13361 | AI170516 | E, NN, OO | | C1q related factor, ESTs, Highly similar to 1917150A collagen:SUBUNIT-alpha1:ISOTYPE=VIII [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to CA18 MOUSE COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR [M.musculus], Homo sapiens, clone MGC:15203 IMAGE:3163767, mRNA, complete cds, collagen, type VIII, alpha 1, extracellular glycoprotein EMILIN-2 precursor, procollagen, type VIII, alpha 1 |
| 197 | 22175 | AA818999 | WW | | C3H-type zinc finger protein; similar to D. melanogaster muscieblind B protein, CHCR, expressed sequence A1849185, expressed sequence R75232, muscleblind-like (Drosophila) |
| 2757 | 22176 | A1236907 | RR, SS | | C3H-type zinc finger protein; similar to D. melanogaster muscieblind B protein, CHCR, expressed sequence A1849185, expressed sequence R75232, muscleblind-like (Drosophila) |
| 70 | 21042 | AA799814 | MM, TTT | | Ca ⁺⁺ /calmodulin-dependent protein kinase II, delta subunit, ER to nucleus signalling 1, MAP kinase-activated protein kinase 2, Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase II, delta, expressed sequence A1874665 |
| 2786 | 21043 | A1237813 | MM, TTT | | Ca ⁺⁺ /calmodulin-dependent protein kinase II, delta subunit, ER to nucleus signalling 1, MAP kinase-activated protein kinase 2, Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase II, delta, expressed sequence A1874665 |
| 3629 | 6672 | NM_031333 | L, LLL, SSS | | cadherin 13, cadherin 2, cadherin 2, type 1, N-cadherin (neuronal), desmocollin 1, desmoglein 2 |
| 3629 | 6673 | NM_031333 | GGG, LLL | | cadherin 13, cadherin 2, cadherin 2, type 1, N-cadherin (neuronal), desmocollin 1, desmoglein 2 |
| 1154 | 3458 | AA997861 | KK | | calcium binding protein Cab45 precursor, stromal cell derived factor 4 |
| 634 | 11935 | AA893328 | LL | | calmeglin, calnexin |
| 3761 | 6962 | NM_053404 | LL | | calmeglin, calnexin |
| 4018 | 6735 | NM_139341 | K | | cAMP inducible gene 1, solute carrier family 15 (oligopeptide transporter), member 1 |

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| Seq ID | CLCC ID No. | GenBank Accor RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--------------------------------|----------------------------------|--|
| 1025 | 22251 | AA957037 | EE | | candidate tumor suppressor OVCA2, diptheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1 |
| 2838 | 14882 | D00362 | O, P, NN, OO, XX, YY, BBB, DDD | | carboxylesterase 3 (brain), esterase 1 |
| 3000 | 14881 | M20629 | O, P, NN, OO, XX, YY, CCC | | carboxylesterase 3 (brain), esterase 1 |
| 3136 | 18068 | NM_012762 | P, VV | | CARD only protein, ESTs, Moderately similar to A57511 interleukin-1 beta converting enzyme [H.sapiens], ESTs, Weakly similar to A56084 interleukin-1beta converting enzyme beta isozyme [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586A181 (from clone DKFZp586A181); partial cds, ICEBERG caspase-1 inhibitor, caspase 1, caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase) |
| 2486 | 1480 | AI230260 | RR | | casein kinase 2, beta polypeptide, casein kinase II, beta subunit |
| 2957 | 1481 | L15619 | N, V, ZZ, AAA, PPP, QQQ | | casein kinase 2, beta polypeptide, casein kinase II, beta subunit |
| 3975 | 24672 | NM_138517 | SS | | cathepsin G, granzyme B, granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1), granzyme C, similar to granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) (H. sapiens) |
| 2945 | 1894 | L03201 | DDD | | cathepsin S |
| 2242 | 16124 | AI176963 | UUU | | Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 |
| 3813 | 16123 | NM_053698 | F, DD, EE | | Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 |

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| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------|----------------------------------|--|
| 3814 | 14795 | NM_053699 | JJ, KK | | Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 |
| 1704 | 7775 | A1071481 | D | | CCCTC-binding factor (zinc finger protein), EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Highly similar to ZF28 MOUSE ZINC FINGER PROTEIN 28 [M.musculus], ESTs, Weakly similar to ZF28 MOUSE ZINC FINGER PROTEIN 28 [M.musculus], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], Mus musculus, clone MGC:31575 IMAGE:4504776, mRNA, complete cds, zinc finger protein 28, zinc finger protein 37, zinc finger protein 37 homolog (mouse) |
| 2960 | 24518 | L19927 | GG | | CCR4-NOT transcription complex, subunit 7, EST, Highly similar to G Chain G, Rat Liver F1-Atpase [R.norvegicus], expressed sequence C80464 |
| 3215 | 8898 | NM_013087 | G, H, J | | CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus] |
| 3215 | 8899 | NM_013087 | G, H, I, J, S, SSS, UUU | | CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus] |
| 3215 | 8900 | NM_013087 | PPP, QQQ | | CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus] |
| 3432 | 19710 | NM_021744 | II, KKK | | CD14 antigen |
| 3432 | 19711 | NM_021744 | N, GG | | CD14 antigen |
| 4005 | 17854 | NM_139103 | O, P | | CD2 antigen family, member 10, CD48 antigen, CD48 antigen (B-cell membrane protein), CD84 antigen, ESTs, Weakly similar to CD48_RAT MRC OX-45 surface antigen precursor (BCM1 surface antigen) (BLAST-1) (CD48) [R.norvegicus], RIKEN cDNA 5830408F06 gene, expressed sequence A1449234 |

| TABLE 3 | | | | | |
|---------|------------|--------------------------|--|----------------------------------|---|
| Seq ID | GLGG ID No | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 1030 | 24040 | AA957422 | P, VV | | CD3 antigen, zeta polypeptide, CD3Z antigen, zeta polypeptide (TIT3 complex), Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, Fc receptor, IgE, high affinity I, gamma polypeptide, Homo sapiens, Similar to Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, clone MGC:22620 IMAGE:4704425, mRNA, complete cds, T-cell receptor CD3, subunit zeta |
| 3871 | 21066 | NM_054001 | B, OO, General Alternate | | CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2, CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II), EST, Moderately similar to LYII_HUMAN LYSSOSOME MEMBRANE PROTEIN II [H.sapiens] |
| 570 | 24873 | AA892498 | N, O, P | | CD63 antigen (melanoma 1 antigen), Cd63 antigen, EST, Weakly similar to CD63 MOUSE CD63 ANTIGEN [M.musculus], expressed sequence C75951, tetraspan 3, transmembrane 4 superfamily member 8 |
| 444 | 15371 | AA875205 | N, MM, TTT, General Alternate | | CDA02 protein, ESTs, Weakly similar to IF39_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens] |
| 444 | 15372 | AA875205 | A, B, FFF, General Core Tox Markers, General Alternate | | CDA02 protein, ESTs, Weakly similar to IF39_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens] |
| 1843 | 23874 | AI103556 | L, General Core Tox Markers, General Alternate | | CDC28 protein kinase 1, ESTs, Highly similar to A36670 cell division control protein CKS1 [H.sapiens] |
| 4272 | 463 | X83579 | S, PPP, QQQ | | CDK-related protein kinase PNQLARE, cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase), cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase) |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------------------|---|--|
| Seq ID | GenBank Accor RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 2873 | D82928 | Z, AA, EE | CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase), DNA segment, Chr 7, Brigham & Women's Genetics 0575 expressed |
| 1293 | A1009002 | T | cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C |
| 1433 | A1012942 | D | cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C |
| 1694 | A1071137 | T | cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C |
| 3951 | NM_133572 | NN, OO | cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C |
| 3950 | NM_133567 | HH | Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206 |
| 4137 | U51013 | N, PP, QQ, XX, YY | Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206 |
| 1112 | AA996529 | UUU | ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vogt disease), expressed sequence AI323623 |
| 2058 | A1170570 | S | CGI-10 protein |
| 2264 | A1177341 | K, Y, DDD | CGI-10 protein |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | | |
|---------|--------------------------|---|----------------------------------|---|
| Seq ID | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| | | | | CGI-109 protein, ESTs, Weakly similar to P24_MOUSE COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (P24A) [M.musculus], RIKEN cDNA 1110014C03 gene, RIKEN cDNA 120002G13 gene, RIKEN cDNA 1810020N21 gene, RIKEN cDNA 3930401E15 gene, RIKEN cDNA 4432412D15 gene, coated vesicle membrane protein, integral type I protein |
| 2507 | A1230765 | BB, CC | | CGI-110 protein |
| 2110 | A1171768 | UUU | | CGI-115 protein, RIKEN cDNA 2810430M08 gene |
| 1564 | A1044883 | FFF | | CGI-116 protein |
| 18 | AA799472 | Z, AA | | CGI-127 protein |
| 2071 | A1170754 | Q, R | | CGI-141 protein, ESTs, Weakly similar to T46908 hypothetical protein |
| 2584 | A1232506 | M | | DKFZp761G2423.1 [H.sapiens] |
| 1164 | AA998110 | II, FFF | | CGI-143 protein |
| | | | | CGI-19 protein, ESTs, Weakly similar to JC5026 UDP-galactose transporter related protein 1 - rat [R.norvegicus], Mus musculus, clone MGC:31031 IMAGE:5137689, mRNA, complete cds, UDP-galactose translocator 2, UDP-galactose transporter related, YEA4 protein, expressed sequence A1428480, hypothetical protein, MNCb-4414 |
| 2878 | D87991 | T, UU, DDD, EEE, MMM | | CGI-20 protein |
| 1671 | A1070195 | RR | | CGI-69 protein, EST, Moderately similar to T43493 hypothetical protein DKFZp434C119.1 [H.sapiens], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, RIKEN cDNA 1300006L01 gene, expressed sequence AW491445, mitochondrial carrier family protein, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 13 |
| 922 | AA945683 | ZZ, AAA | | 13 |

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| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---------------------------------------|----------------------------------|--|
| 821 | 21798 | AA926365 | X, DDD | | CGI-69 protein, EST, Moderately similar to T4393 hypothetical protein DKFZp434C119.1 [H.sapiens], mitochondrial carrier family protein |
| 4134 | 734 | U49055 | C | | CGI-74-like SR-rich, DNA segment, Chr 17, human D6S45, EST, Weakly similar to SRA4_HUMAN CTD-BINDING SR-LIKE PROTEIN RA4 [H.sapiens], ESTs, Highly similar to T31420 C-terminal domain-binding protein rA8 - rat [R.norvegicus], ESTs, Moderately similar to RD PROTEIN [M.musculus], ESTs, Weakly similar to RD protein rA8 - rat [R.norvegicus], KIAA1116 protein, expressed sequence A1447644, expressed sequence A1448652, hypothetical protein FLJ10290, pre-mRNA splicing SR protein rA4 |
| 1268 | 3121 | A1008160 | N, U, NN, OO, III, LLL, RRR, SSS, UUU | | CGI-83 protein |
| 1687 | 8944 | A1070597 | U | | CGI-97 protein, EST, Weakly similar to YC97_HUMAN HYPOTHETICAL PROTEIN CGH97 [H.sapiens] |
| 781 | 5140 | AA925391 | UUU | | checkpoint with forkhead and ring finger domains |
| 1017 | 23841 | AA956693 | K | | chemokine (C-C motif) receptor-like 1 |
| 3348 | 20146 | NM_017362 | I, J | | cholinergic receptor, muscarinic 3, cardiac, cholinergic receptor, muscarinic 5 |
| 2324 | 3076 | A1179075 | RR | | chorionic somatomammotropin hormone 1, expressed sequence A1325057, prolactin |
| 66 | 18880 | AA799801 | D | | chromosome 11 open reading frame 17, predicted gene ICRFP703B1614Q5.6 |
| 78 | 18883 | AA799992 | Z, AA | | chromosome 11 open reading frame 17, predicted gene ICRFP703B1614Q5.6 |
| 2326 | 13055 | A1179100 | Q, R, FFF | | chromosome 14 open reading frame 1 |
| 2562 | 13056 | A1232155 | FFF | | chromosome 14 open reading frame 1 |
| 274 | 17179 | AA849797 | GGG | | chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1 |
| 1873 | 21832 | A1104521 | LL | | chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1 |
| 2551 | 17144 | A1231921 | YY | | chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------------------|----------------------------------|---|
| 3213 | 17181 | NM_013073 | ZZ, AAA | | chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1 |
| 4157 | 953 | U67915 | D | | chymase 1, mast cell, mast cell protease 1 |
| 3836 | 17154 | NM_053835 | K, Q, R, BBB, CCC, LLL, RRR, SSS | | clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV026556 |
| 3836 | 17155 | NM_053835 | H, LLL, UUU, General | | clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV026556 |
| 1688 | 8950 | AI070621 | Alternate | | cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kD |
| 1198 | 1557 | AB000216 | General Alternate | | CLLL7 protein, DKFZP586C1619 protein, ESTs, Weakly similar to T31081 cca3 protein - rat [R.norvegicus], Homo sapiens cDNA FLJ25141 fis, clone CBR07151, RIKEN cDNA 4933432B13 gene, RIKEN cDNA 6330404E16 gene, chromosome condensation 1-like, expressed sequence AW539457, gene trap ankyrin repeat |
| 2794 | 17108 | AI639017 | C | | CLLL8 protein, EST, Highly similar to S30385 G9a protein [H.sapiens], ESTs, Weakly similar to T17453 ERG-associated protein ESET - mouse [M.musculus], SET domain, bifurcated 1, euchromatic histone methyltransferase 1, suppressor of variegation 3-9 (Drosophila) homolog 2; hypothetical protein FLJ23414 |
| 1524 | 3167 | AI031012 | F, S, RRR | | CipP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli), caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli), expressed sequence AU019820 |
| 1486 | 7420 | AI029291 | U | | CipX caseinolytic protease X homolog (E. coli) |
| 3914 | 9952 | NM_080902 | C, General Alternate | | CLST 11240 protein, DKFZP564K247 protein, ESTs, Highly similar to T14766 hypothetical protein DKFZp564K247.1 [H.sapiens], ESTs, Weakly similar to hypoxia induced gene 1 [Rattus norvegicus] [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434A1627 (from clone DKFZp434A1627), RIKEN cDNA 2010110M21 gene, RIKEN cDNA 2310056K19 gene, hypothetical protein MGC2198, hypoxia induced gene 1 |

TABLE 3

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------|----------------------------------|---|
| 2256 | 16175 | AI177145 | XX, YY | | CMP-NeuAC: (beta)-N-acetylgalactosaminide (alpha)2,6-sialyltransferase member VI, ESTs, Weakly similar to CAG7_RAT ALPHA-N-ACETYL GALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (ST6GALNACIII) (STY) [R.norvegicus], sialyltransferase 7D (alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase), similar to sialyltransferase 7 ((alpha-N-acetylneuraminy 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) E |
| 2952 | 107 | L14001 | XX, YY, JJJ | | CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT Polymeric-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymeric immunoglobulin receptor, regulator of Fas-induced apoptosis |
| 2953 | 108 | L14002 | L, MM, DDD, TTT | | CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT Polymeric-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymeric immunoglobulin receptor, regulator of Fas-induced apoptosis |

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| TABLE 3 | | | | Human Homologous Sequence Cluster Title |
|---------|-------------|-------------------------|----------------------|---|
| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 2955 | 109 | L14004 | M, N, V, SS, TT, DDD | CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT PolymERIC-immunoglobulin receptor precursor (Poly-Ig receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymeric immunoglobulin receptor, regulator of Fas-induced apoptosis |
| 4085 | 110 | U01145 | D, F | CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT PolymERIC-immunoglobulin receptor precursor (Poly-Ig receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymeric immunoglobulin receptor, regulator of Fas-induced apoptosis |
| 4088 | 111 | U02506 | MM, SS, NNN, TTT | CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT PolymERIC-immunoglobulin receptor precursor (Poly-Ig receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymeric immunoglobulin receptor, regulator of Fas-induced apoptosis |
| 774 | 22851 | AA925204 | FF | cofactor of BRCA1 |
| 4139 | 358 | U52948 | BB, CC | complement component 9 |
| 231 | 20668 | AA819749 | PPP, QQQ | component of oligomeric golgi complex 4 |
| 2273 | 20669 | A117590 | GG | component of oligomeric golgi complex 4 |
| 3456 | 6585 | NM_022266 | A | connective tissue growth factor |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 148 | 2845 | AA818026 | UUU | | COP9 (constitutive photomorphogenic) homolog, subunit 6 (Arabidopsis thaliana), eukaryotic translation initiation factor 3, subunit 5 (epsilon), eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD), expressed sequence AW107203, proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 |
| 639 | 13088 | AA893495 | A, G, BB, CC, TT, FFF, GGG, HHH, General Core Tox Markers | | corticosteroid binding globulin, serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6 |
| 4102 | 53 | U16253 | K | | corticotropin releasing hormone receptor 2 |
| 3784 | 8358 | NM_053540 | X, Y | | COX17 homolog, cytochrome c oxidase assembly protein (yeast), cytochrome c oxidase, subunit XVII assembly protein homolog (yeast), expressed sequence A1037035 |
| 2419 | 22915 | A1228299 | L | | craniofacial development protein 1 |
| 2265 | 15251 | A1177363 | Z | | c-src tyrosine kinase |
| 2307 | 15252 | A1178605 | GG, HH | | c-src tyrosine kinase |
| 1882 | 22957 | A1104897 | Q, R | | CTAGE-1 protein, ESTs, Moderately similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], ESTs, Weakly similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], KIAA0268 protein, meningioma expressed antigen 6 (coiled-coil proline-rich) |
| 2093 | 22958 | A1171374 | Q, R, FF | | CTAGE-1 protein, ESTs, Moderately similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], ESTs, Weakly similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], KIAA0268 protein, meningioma expressed antigen 6 (coiled-coil proline-rich) |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------|----------------------------------|--|
| 3820 | 24728 | NM_053753 | X, Y, EEE, MMM | | C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 13, C-type lectin-like receptor, ESTs, Weakly similar to KUCR_RAT Kupffer cell receptor [R.norvegicus], Langerhans cell specific c-type lectin, Mus musculus mRNA for C type lectin (langerin gene), RIKEN cDNA 1810046124 gene, RIKEN cDNA 3110037K17 gene |
| 2481 | 7650 | A1230142 | O, P | | C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 13, ESTs, Weakly similar to KUCR_RAT Kupffer cell receptor [R.norvegicus], Kupffer cell receptor, Langerhans cell specific c-type lectin |
| 3137 | 17257 | NM_012766 | NN, OO, PP, QQ, ZZ | | cyclin D3 |
| 3137 | 17258 | NM_012766 | NN, ZZ, AAA | | cyclin D3 |
| 651 | 19171 | AA893699 | C | | cyclin D-type binding-protein 1, maternal inhibition of differentiation |
| 3545 | 20770 | NM_024160 | VV | | cytochrome b-245, alpha polypeptide |
| 4029 | 1448 | NM_145783 | U | | cytochrome c oxidase subunit Va, cytochrome c oxidase, subunit Va |
| 3795 | 21424 | NM_053586 | XX, YY | | cytochrome c oxidase subunit Vb, cytochrome c oxidase, subunit Vb |
| 3650 | 15024 | NM_031572 | GG | | cytochrome P450, 2c40, cytochrome P450, subfamily I1C (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence A1662255 |
| 4028 | 16278 | NM_145782 | X | | cytochrome P450, 3a25, cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 5 |
| 3807 | 1127 | NM_053626 | III, JJJ | | D-amino acid oxidase, D-amino-acid oxidase, D-aspartate oxidase, Mus musculus, Similar to D-aspartate oxidase, clone MGC:6692 IMAGE:3582980, mRNA, complete cds, RIKEN cDNA 5730402C02 gene |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--------------|----------------------------------|---|
| 26 | 18981 | AA799523 | I, Z, AA, LL | | DAZ associated protein 1, ESTs, Highly similar to I52962 FBRNP [H.sapiens], ESTs, Weakly similar to ROA1_RAT Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP) [R.norvegicus], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Homo sapiens cDNA: FLJ22720 fis, clone HSI14320, Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1 |
| 836 | 22142 | AA943066 | KK | | DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 5, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD), ESTs, Moderately similar to A57514 RNA-helicase HEL117 - rat [R.norvegicus], ESTs, Weakly similar to PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens mRNA; cDNA DKFZp586K2322 (from clone DKFZp586K2322), Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 2310061O04 gene, RIKEN cDNA 4921506D17 gene, RNA helicase, expressed sequence AI325430 |
| 2143 | 15842 | AI172325 | FFF | | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1 |
| 3790 | 4327 | NM_053563 | R | | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, 103kD, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 39, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD), DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 7 (RNA helicase, 52kD), EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], HLA-B-associated transcript 1A |

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TABLE 3

| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|---|
| 325 | 13772 | AA851926 | C, J | | DEAD-box protein, ESTs, Weakly similar to DDX5 MOUSE PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens, Similar to RIKEN cDNA 2310061O04 gene, clone MGC:21583 IMAGE:4479998, mRNA, complete cds, Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 9130430L19 gene, RNA helicase, expressed sequence AI325430 |
| 2461 | 23858 | AI229450 | K, L | | DEAD-box protein, ESTs, Weakly similar to DDX5 MOUSE PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens, Similar to RIKEN cDNA 2310061O04 gene, clone MGC:21583 IMAGE:4479998, mRNA, complete cds, Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 9130430L19 gene, RNA helicase, expressed sequence AI325430 |
| 3489 | 12422 | NM_022546 | H, T, DD, EE, KKK | | death-associated kinase 3, death-associated protein kinase 1, death-associated protein kinase 3, expressed sequence AI120141, serine/threonine kinase 17a (apoptosis-inducing), serine/threonine kinase 17b (apoptosis-inducing) |
| 3489 | 12423 | NM_022546 | D, DD, EE, KKK | | death-associated kinase 3, death-associated protein kinase 1, death-associated protein kinase 3, expressed sequence AI120141, serine/threonine kinase 17a (apoptosis-inducing), serine/threonine kinase 17b (apoptosis-inducing) |
| 3894 | 24459 | NM_057209 | UU | | death-associated kinase 3, expressed sequence AI120141, myosin light chain kinase 2, skeletal muscle |
| 7 | 16950 | AA686164 | S, VV, PPP, QQQ | | dendritic cell protein |
| 1177 | 23770 | AA998488 | SS | | dentatorubral-pallidoluysian atrophy (atrophin-1) |
| 1418 | 12766 | AI012505 | SSS | | diacylglycerol O-acyltransferase 2, diacylglycerol O-acyltransferase homolog 2 (mouse) |
| 920 | 22612 | AA945624 | OOO | | Diaphorase (NADH/NADPH), EST, Weakly similar to A32667 NAD(P)H dehydrogenase [H.sapiens], NAD(P)H dehydrogenase, quinone 1, NAD(P)H dehydrogenase, quinone 2, NAD(P)H menadione oxidoreductase 2, dioxin inducible |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | | | |
|---------|-------------|---|------------------------|----------------------------------|---|
| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 1578 | 5697 | A1045119 | WW | | dihydroipoamide dehydrogenase, dihydroipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex), expressed sequence A1746344, thioredoxin reductase 1 |
| 931 | 21974 | AA945769 | Q, R | | DIPB protein, ESTs, Weakly similar to T43483 translation initiation factor IF-2 homolog [H.sapiens], KIAA1966 protein, hypothetical protein DKFZp761F2014, translation initiation factor IF2 |
| 3544 | 4504 | NM_024159 | PP | | disabled homolog 1 (Drosophila), disabled homolog 2 (Drosophila), disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila) |
| 2037 | 8794 | A1170002 | CC | | discs, large homolog 2 (Drosophila), discs, large homolog 2, chapsyn-110 (Drosophila) dishevelled 2, dsh homolog (Drosophila), dishevelled 3, dsh homolog (Drosophila), dishevelled, dsh homolog (Drosophila), dishevelled, dsh homolog 1 (Drosophila), dishevelled, dsh homolog 3 (Drosophila) |
| 1782 | 3537 | A1101690 | SS | | |
| 1148 | 2354 | AA997763 | C, L, Z, GG, HH | | |
| 2496 | 7881 | A1230528 | N | | DKFZP434B027 protein DKFZP434B0335 protein |
| 1448 | 12794 | A1013442 | R | | DKFZP434J154 protein, ESTs, Moderately similar to T12539 hypothetical protein DKFZp434J154.1 [H.sapiens], Homo sapiens cDNA FLJ13282 fis, clone OVARC1001092, highly similar to Homo sapiens mRNA for JM5 protein, hypothetical protein 628, hypothetical protein FLJ10055 |
| 2123 | 23422 | A1172034 | O, P, CC | | DKFZp434J1813 protein DKFZP434P106 protein, ESTs, Weakly similar to T17237 hypothetical protein DKFZp434P106.1 [H.sapiens], hypothetical protein FLJ14906, hypothetical protein from EUROIMAGE 588495 |
| 755 | 5009 | AA924737 | K | | DKFZP564B167 protein, RIKEN cDNA 2010002107 gene, RIKEN cDNA 2610205H19 gene |
| 1385 | 14267 | A1011738 | U, FF | | DKFZP564F0522 protein, ESTs, Weakly similar to T08675 hypothetical protein DKFZp564F0522.1 [H.sapiens], Homo sapiens cDNA FLJ25180 fis, clone CBR09247 |
| 2115 | 3266 | A1171948 | FFF, General Alternate | | |

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TABLE 9

| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------|----------------------------------|---|
| 90 | 15659 | AA800199 | P | | DKFZp564J157 protein, EST, Weakly similar to B24264 proline-rich protein MP3 - mouse [M.musculus], EST, Weakly similar to B36298 proline-rich protein PRB3S [H.sapiens], EST, Weakly similar to CGHU3B collagen alpha 3(IV) chain precursor, long splice form [H.sapiens], EST, Weakly similar to D40750 proline-rich protein PRB1/2S [H.sapiens], EST, Weakly similar to PIHUB6 salivary proline-rich protein precursor PRB1 [H.sapiens], EST, Weakly similar to PRP1_HUMAN SALIVARY PROLINE-RICH PROTEIN PRECURSOR [H.sapiens], EST, Weakly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens], ESTs, Highly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens], ESTs, Weakly similar to B24264 proline-rich protein MP3 - mouse [M.musculus], ESTs, Weakly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens] |
| 2530 | 13963 | AI231388 | JJ | | DKFZP564K1964 protein, ESTs, Moderately similar to T17328 hypothetical protein |
| 1391 | 18684 | AI011812 | ZZ, AAA | | DKFZp564K1964.1 [H.sapiens] |
| 2585 | 11269 | AI232510 | E | | DKFZP564O123 protein, putative breast adenocarcinoma marker (32kD) |
| 2899 | 4360 | H31813 | B, I, J, XX, YY, PPP, QQQ | | DKFZP566C0424 protein |
| 982 | 12407 | AA955495 | XX | | DKFZP586B1621 protein |
| 2283 | 3834 | AI177902 | X, Y | | DKFZP586D0623 protein, hypothetical protein MGC1203 |
| 2117 | 18325 | AI171953 | Y | | DKFZP586F1524 protein |
| 4105 | 1949 | U19614 | XX, YY | | DKFZP586F1918 protein, EST, Weakly similar to T08740 hypothetical protein DKFZP586F1918.1 [H.sapiens], mucin 6, gastric DKFZP586G011 protein, ESTs, Moderately similar to I61730 lamina associated polypeptide 1C short splice form - rat [R.norvegicus], ESTs, Weakly similar to I61730 lamina associated polypeptide 1C short splice form - rat [R.norvegicus], ESTs, Weakly similar to T08767 probable lamina-associated protein DKFZp586G011.1 [H.sapiens], Homo sapiens, clone IMAGE:4651703, mRNA, Mus musculus, clone MGC:6357 IMAGE:3493883, mRNA, complete cds |

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TABLE 3

| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------------|----------------------------------|---|
| 4105 | 1948 | U19614 | L | | DKFZP586G011 protein, ESTs, Weakly similar to T08767 probable lamina-associated protein DKFZP586G011.1 [H.sapiens], Mus musculus, clone MGC:6357 IMAGE:3493883, mRNA, complete cds |
| 2708 | 7307 | A1235935 | X, Y, UUU | | DKFZP586G1517 protein, EST, Moderately similar to A Chain A, Human Tetrahydrofolate Dehydrogenase [H.sapiens], ESTs, Highly similar to T17244 hypothetical protein DKFZP586G1517.1 [H.sapiens], ESTs, Weakly similar to C1TC_RAT C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase) [Includes: Methylenetetrahydrofolate dehydrogenase ; Methylenetetrahydrofolate cyclohydrolase ; Formyltetrahydrofolate synthetase] [R.norvegicus], expressed sequence A1647056, hypothetical protein FLJ13105 |
| 4154 | 870 | U66478 | PP, QQ | | DKFZP586M0622 protein, MAD homolog 1 (Drosophila), MAD, mothers against decapentaplegic homolog 1 (Drosophila) |
| 552 | 4373 | AA892310 | T | | DKFZP586O0120 protein |
| 136 | 1822 | AA817843 | LLL, UUU | | DNA polymerase epsilon, subunit 3, ESTs, Moderately similar to CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A [M.musculus], ESTs, Weakly similar to A23692 transcription factor, CCAAT-binding, chain A1 - rat [R.norvegicus], RIKEN cDNA 1810034K18 gene, down-regulator of transcription 1, down-regulator of transcription 1, TBP-binding (negative cofactor 2), nuclear transcription factor Y, beta, nuclear transcription factor-Y beta, polymerase (DNA directed), epsilon 3 (p17 subunit) DNA segment, Chr 1, Brigham & Women's Genetics 0212 expressed, EST, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700010I24 gene, RIKEN cDNA 2310040B03 gene, expressed sequence AW538196, sperm associated antigen 1, suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) |
| 3612 | 23569 | NM_031122 | X, Y, BB, CC, DD, EE, KKK, NNN | | |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|--|
| 94 | 18442 | AA800258 | ZZ, AAA | | DNA segment, Chr 11, Wayne State University 99, expressed, hypothetical protein FLJ14775, low density lipoprotein B, low density lipoprotein receptor defect B complementing |
| 3696 | 17535 | NM_031816 | D | | DNA segment, Chr 12, ERATO Doi 604, expressed, ESTs, Moderately similar to hypothetical protein FLJ10416 similar to constitutive photomorph [Homo sapiens] [H.sapiens]. ESTs, Weakly similar to retinoblastoma binding protein 7 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to glutamate rich WD repeat protein GRWD, clone IMAGE:3498842, mRNA, partial cds, RIKEN cDNA 2610016K01 gene, RIKEN cDNA 2610529112 gene, constitutive photomorphogenic protein 1 (Arabidopsis), retinoblastoma binding protein 4, retinoblastoma binding protein 7 |
| 4255 | 16300 | X70706 | DDD | | DNA segment, Chr 14, ERATO Doi 426, expressed, ESTs, Highly similar to A34789 T-plastin [H.sapiens], ESTs, Highly similar to A56536 plastin, intestinal [H.sapiens], Mus musculus, clone IMAGE:4216549, mRNA, partial cds, Mus musculus, clone MGC:6362 IMAGE:3495462, mRNA, complete cds, calreticulin, expressed sequence AL024105, plastin 1 (I isoform), plastin 2, L, plastin 3 (T isoform) |
| 4076 | 1460 | S76054 | G, H, VV, General Alternate | | DNA segment, Chr 15, Wayne State University 77, expressed, EST, Moderately similar to K2C8_RAT Keratin, type II cytoskeletal 8 (Cytokeratin 8) (Cytokeratin endo A) [R.norvegicus], ESTs, Moderately similar to I37982 Keratin 8 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp434C107 (from clone DKFZp434C107), Homo sapiens mRNA; cDNA DKFZp762H106 (from clone DKFZp762H106), keratin 8, keratin complex 2, basic, gene 8 |
| 4007 | 14463 | NM_139110 | Z, AA | | DNA segment, Chr 17, ERATO Doi 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Highly similar to T08685 hypothetical protein DKFZp564O1923.1 [H.sapiens], EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], KIAA0758 protein, cadherin EGF LAG seven-pas G-type receptor 2, hypothetical protein FLJ22684, latrophilin |

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TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|--|
| 3529 | 1053 | NM_022962 | E | | DNA segment, Chr 17, ERATO Doi 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Highly similar to lectomedin-2; KIAA0821 protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus] |
| 3923 | 18293 | NM_130433 | K, U, FF, LL | | DNA segment, Chr 18, ERATO Doi 240, expressed, Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit, clone MGC:7126 IMAGE:3158015, mRNA, complete cds, RIKEN cDNA 0610011L04 gene, acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase), t-complex protein 1, related sequence 1 |
| 4074 | 21981 | S75019 | VV | | DNA segment, Chr 18, Wayne State University 181, expressed, aldehyde dehydrogenase 7 family, member A1, aldehyde dehydrogenase family 1, subfamily A2 |
| 1791 | 15080 | A1102045 | MM, PPP, QQQ, TTT | | DNA segment, Chr 2, ERATO Doi 485, expressed, Mus musculus, Similar to conserved gene amplified in osteosarcoma, clone MGC:38258 IMAGE:5324816, mRNA, complete cds, RIKEN cDNA 2610507E10 gene, RIKEN cDNA 2810418J22 gene, conserved gene amplified in osteosarcoma |
| 3072 | 20305 | NM_012532 | N, V | | DNA segment, Chr 3, ERATO Doi 555, expressed, ESTs, Weakly similar to A35210 ferroxidase (EC 1.16.3.1) precursor - rat [R.norvegicus], ESTs, Weakly similar to CERU MOUSE CERULOPLASMIN PRECURSOR [M.musculus], ESTs, Weakly similar to KUHU ferroxidase [H.sapiens], ceruloplasmin, ceruloplasmin (ferroxidase), hephaestin |
| 3566 | 10306 | NM_030835 | BB, CC | | DNA segment, Chr 3, University of California at Los Angeles 1, ESTs, Moderately similar to stress-associated endoplasmic reticulum protein 1; ribosome asso, ribosome associated membrane protein 4 [Homo sapiens] [H.sapiens] |
| 3566 | 10308 | NM_030835 | LL | | DNA segment, Chr 3, University of California at Los Angeles 1, ESTs, Moderately similar to stress-associated endoplasmic reticulum protein 1; ribosome asso, ribosome associated membrane protein 4 [Homo sapiens] [H.sapiens] |

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| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|--|
| 4151 | 1283 | U61729 | Z, AA, LL | | DNA segment, Chr 4, Brigham & Women's Genetics 0593 expressed, ESTs, Moderately similar to JC4899 proline rich protein - rat [R.norvegicus], RIKEN cDNA 0610011E17 gene, hypothetical protein FLJ20312, proline rich 2 |
| 3607 | 16847 | NM_031109 | U, RR, FFF | | DNA segment, Chr 4, ERATO Doi 429, expressed, EST, Weakly similar to 2113200G ribosomal protein S10 [H.sapiens], EST, Weakly similar to ribosomal protein S10 [H.sapiens], ESTs, Highly similar to 2113200G ribosomal protein S10 [H.sapiens], ESTs, Highly similar to RS10 RAT 40S RIBOSOMAL PROTEIN S10 [R.norvegicus], ESTs, Moderately similar to RIKEN cDNA 2210402A09 [Mus musculus] [M.musculus], RIKEN cDNA 2210402A09 gene, ribosomal protein S10 |
| 2966 | 1373 | L24907 | L | | DNA segment, Chr 6, ERATO Doi 263, expressed, ESTs, Moderately similar to S50193 Ca2+/calmodulin-dependent protein kinase [EC 2.7.1.123] I - rat [R.norvegicus], ESTs, Weakly similar to KCC4 MOUSE CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE TYPE IV CATALYTIC CHAIN [M.musculus], calcium/calmodulin-dependent protein kinase I, expressed sequence A1505105, pregnancy upregulated non-ubiquitously expressed CaM kinase, serine/threonine kinase PSKH2 |
| 4019 | 23682 | NM_144746 | HH, SS | | DNA segment, Chr 7, ERATO Doi 753, expressed, ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], ESTs, Moderately similar to 2ABA_HUMAN SERINE/THREONINE PROTEIN PHOSPHATASE 2A, 55 KDA REGULATORY SUBUNIT B, ALPHA ISOFORM [H.sapiens], RIKEN cDNA 1300017E19 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform, uncharacterized hematopoietic stem/progenitor cells protein MDS026 |
| 667 | 16434 | AA894174 | BBB, CCC | | DNA segment, Chr 9, ERATO Doi 394, expressed, Mus musculus, Similar to electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II), clone MGC:6481 IMAGE:2646522, mRNA, complete cds, electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II) |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|--|
| 667 | 16435 | AA894174 | J, M, U | | DNA segment, Chr 9, ERATO Doi 394, expressed, Mus musculus, Similar to electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II), clone MGC:6481 IMAGE:2646522, mRNA, complete cds, electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II) |
| 3499 | 21115 | NM_022602 | JJ, KK | | DNA segment, Chr X, Celltech Chiroscience 3, Mus musculus, serine threonine kinase pim3, clone MGC:27707 IMAGE:4924687, mRNA, complete cds, pim-1 oncogene, pim-2 oncogene, proviral integration site 1 |
| 2216 | 2532 | A1176590 | General Core Tox Markers | | DNA segment, EST 1068184, ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat (fragment) [R.norvegicus], ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], RIKEN cDNA 1810037003 gene, leukocyte receptor cluster (LRC) member 3, protein phosphatase 1, regulatory (inhibitor) subunit 12A |
| 390 | 16318 | AA859648 | Q | | DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, DnaJ (Hsp40) homolog, subfamily B, member 1, DnaJ (Hsp40) homolog, subfamily B, member 12, ESTs, Weakly similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to HSJ2_HUMAN DNAJ PROTEIN HOMOLOG 2 [H.sapiens], Homo sapiens cDNA FLJ13992 fis, clone Y79AA1002139, weakly similar to DNAJ PROTEIN HOMOLOG 1, RIKEN cDNA 1700014P03 gene, RIKEN cDNA 2010306G19 gene, RIKEN cDNA 5730551F12 gene, similar to MRJ gene for a member of the DNAJ protein family (H. sapiens) |

| TABLE 3 | | | | | |
|---------|-------------|--------------------------|-----------------|----------------------------------|--|
| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 100 | 6892 | AA800551 | Q | | DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, Mus musculus SEC63 (Sec63) mRNA, complete cds, similar to DNAJ |
| 3520 | 6891 | NM_022934 | C, Q, R, DD, EE | | DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, Mus musculus SEC63 (Sec63) mRNA, complete cds, similar to DNAJ |
| 753 | 5003 | AA924691 | UU | | DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ (Hsp40) homolog, subfamily C, member 7, DnaJ-like protein, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, RIKEN cDNA 4930483N21 gene |
| 1727 | 5021 | AI072308 | RR | | DnaJ (Hsp40) homolog, subfamily A, member 2, DnaJ (Hsp40) homolog, subfamily B, member 2, DnaJ (Hsp40) homolog, subfamily B, member 6, RIKEN cDNA 2810451A06 gene, RIKEN cDNA 4930483N21 gene, RIKEN cDNA 5730496F10 gene, expressed sequence AI506245 |

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|---|-------------|--------------------------|---|----------------------------------|---|--|
| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| 2587 | 8709 | AI232534 | ZZ | | DnaJ (Hsp40) homolog, subfamily B, member 3, DnaJ (Hsp40) homolog, subfamily B, member 6, RIKEN cDNA 2810451A06 gene, expressed sequence AU020082 | |
| 1022 | 5989 | AA956907 | MM, WW, TTT | | DnaJ (Hsp40) homolog, subfamily C, member 8, Homo sapiens cDNA FLJ13613 fis, clone PLACE1010856, Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016), hypothetical protein DKFZp434B227 | |
| 1022 | 5990 | AA956907 | L | | DnaJ (Hsp40) homolog, subfamily C, member 8, Homo sapiens cDNA FLJ13613 fis, clone PLACE1010856, Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016), hypothetical protein DKFZp434B227 | |
| 995 | 23272 | AA955819 | X, Y, WW | | down-regulated in lung cancer | |
| 1518 | 23273 | AI030738 | VV, WW | | down-regulated in lung cancer | |
| 1884 | 24375 | AI104979 | General Core Tox Markers | | EBNA1 binding protein 2, ESTs, Moderately similar to EBNA1 binding protein 2; nucleolar protein p40; homolog of yeast EBNA1-binding protein; nuclear FGF3 binding protein; EBNA1-binding protein 2 [Homo sapiens] [H.sapiens] | |
| 3508 | 17586 | NM_022694 | KK | | EBNA-2 co-activator (100kD), ESTs, Moderately similar to I38968 100 kDa coactivator [H.sapiens], staphylococcal nuclease domain containing 1 | |
| 3404 | 20057 | NM_019370 | F, XX, YY | | ectonucleotide pyrophosphatase/phosphodiesterase 1, ectonucleotide pyrophosphatase/phosphodiesterase 3 | |
| 1049 | 16577 | AA963286 | V | | EGL nine homolog 2 (C. elegans), EGL nine homolog 3 (C. elegans), ESTs, Weakly similar to A53770 growth factor-responsive protein, vascular smooth muscle - rat [R.norvegicus], Mus musculus, Similar to EGL nine homolog 3 (C. elegans), clone MGC:36685 IMAGE:5371854, mRNA, complete cds, egl nine homolog 2 (C. elegans), egl nine homolog 3 (C. elegans) | |
| 2611 | 14103 | AI233172 | GGG, LLL, RRR, SSS, UUU, General Core Tox Markers | | EH domain-binding mitotic phosphoprotein, ESTs, Weakly similar to A Chain A, Crystal Structure Of The Epsin N-Terminal Homology (Entn) Domain At 1.56 Angstrom Resolution [R.norvegicus], Homo sapiens, Similar to epsin 3, clone MGC:1006 IMAGE:3505495, mRNA, complete cds, epsin 2, epsin 3 | |

| TABLE 3 | | | | | | |
|---------|-------------|--------------------------|--------------------------|----------------------------------|--|--|
| Seq. ID | GLCC ID No. | Genbank Accot. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| 4013 | 19150 | NM_139324 | V, UU, General Alternate | | EH-domain containing 4, ESTs, Highly similar to intersectin 2 [Homo sapiens] [H.sapiens], SH3 domain protein 1B, expressed sequence AI197390, intersectin (SH3 domain protein 1A), intersectin 1 (SH3 domain protein) | Attorney Docket 44921-5038-01WO Document No. 193328.1 |
| 561 | 19226 | AA892394 | ZZ, AAA | | ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus] | |
| 561 | 19227 | AA892394 | HH | | ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus] | |
| 775 | 10666 | AA925212 | SS, ZZ, AAA | | ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) | |
| 2331 | 17358 | AI179147 | PP, QQ | | [R.norvegicus], ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], RIKEN cDNA 4932702K14 gene, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 4 (inducible form) | |
| 2205 | 17920 | AI176422 | II | | electron-transfer-flavoprotein, beta polypeptide electron-transferring-flavoprotein dehydrogenase | |

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| Seq ID | GLGC ID No. | Gembank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------------|----------------------------------|--|
| 2762 | 17922 | A1237007 | M | | electron-transferring-flavoprotein dehydrogenase |
| 1540 | 7913 | A1043849 | DD, EE, WW | | ELL-related RNA polymerase II, elongation factor, ESTs, Weakly similar to ELL MOUSE RNA POLYMERASE II ELONGATION FACTOR ELL [M.musculus], Mus musculus, clone IMAGE:3583970, mRNA, partial cds, RIKEN cDNA 9430098E02 gene, eleven-nineteen lysine-rich leukemia gene, hypothetical protein FLJ22637 |
| 2633 | 7243 | A1233717 | General Core Tox Markers | | embryonic ectoderm development |
| 3180 | 18695 | NM_012931 | T, III, JJJ, KKK, General | | enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related), expressed sequence A1385681, neural precursor cell expressed, developmentally down-regulated gene 9, signal transduction protein (SH3 containing), v-crk-associated tyrosine kinase substrate |
| 2003 | 14962 | A1169171 | Alternate GGG | | enhancer of rudimentary homolog (Drosophila) |
| 3855 | 16190 | NM_053961 | U, FF, BBB | | Enoyl-CoA hydratase, short chain 1, mitochondrial, Homo sapiens hepatocellular carcinoma-associated antigen 64 (HCA64) mRNA, complete cds, RIKEN cDNA 1300014E15 gene, RIKEN cDNA 1300017C12 gene, RIKEN cDNA 1810022C23 gene, RIKEN cDNA 2010015A21 gene, RIKEN cDNA 4930453I21 gene, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hypothetical protein FLJ10948, peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase |
| 564 | 23194 | AA892417 | I, J, W | | ephrin A1, ephrin-A1 |
| 3569 | 21509 | NM_030847 | O, P | | epithelial membrane protein 3 |
| 462 | 11889 | AA875641 | SS | | EPS8 related protein 2, epidermal growth factor receptor pathway substrate 8 related protein 1, epidermal growth factor receptor pathway substrate 8 related protein 3 |
| 3482 | 8597 | NM_022538 | BB, CC, NN, OO, QQ, ZZ, AAA | | ER transmembrane protein Dri 42, RIKEN cDNA 1810019D05 gene, phosphatidic acid phosphatase 2a, phosphatidic acid phosphatase type 2A, phosphatidic acid phosphatase type 2B, phosphatidic acid phosphatase type 2C, phosphatidic acid phosphatase type 2c |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3597 | 4683 | NM_031083 | N, Z, AA | | EST AA437822, Homo sapiens, Similar to phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, beta polypeptide, phosphoinositide-3-kinase, catalytic, gamma polypeptide |
| 3527 | 15743 | NM_022958 | HH | | EST AA437822, Mus musculus, Similar to phosphatidylinositol 3-kinase, clone MGC:30377 IMAGE:3661094, mRNA, complete cds, phosphoinositide-3-kinase, catalytic, gamma polypeptide, phosphoinositide-3-kinase, class 3 |
| 3595 | 24508 | NM_031073 | UU, KKK | | EST AI316846, neurotrophin 3 |
| 1333 | 15627 | A1009810 | CCC | | EST AI317031, EST, Weakly similar to R3HU16 ribosomal protein S16, cytosolic [H.sapiens], expressed sequence AA420385, ribosomal protein S16 |
| 1404 | 21796 | A1012221 | II, OO, VV | | EST X83352, ESTs, Weakly similar to intracellular chloride ion channel protein p64H1 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730531E12 gene, chloride intracellular channel 1, chloride intracellular channel 3, chloride intracellular channel 4 (mitochondrial), intracellular chloride ion channel protein p64H1 |
| 3490 | 12606 | NM_022547 | O, P, NN, OO, VV, EEE, III, JJJ, MMM, General Alternate | | EST, Highly similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus], EST, Highly similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], ESTs, Moderately similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], RIKEN cDNA 1810048F20 gene, RIKEN cDNA 2310020P08 gene, aldehyde dehydrogenase family 1, subfamily A7, formyltetrahydrofolate dehydrogenase |
| 3113 | 7101 | NM_012679 | II, TT | | EST, Highly similar to Clusterin; Testosterone-repressed prostate message 2 [Rattus norvegicus] [R.norvegicus], clusterin, clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J) |

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---------------------------|----------------------------------|---|
| 3945 | 9571 | NM_133540 | AA | | EST, Highly similar to lens intrinsic membrane protein 2 (19 kDa) [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to LMP MOUSE LENS FIBER MEMBRANE INTRINSIC PROTEIN [M.musculus], lens intrinsic membrane protein 2 (19 kDa), lens intrinsic membrane protein 2 (19kD), natural killer cell group 7 sequence |
| 2106 | 5339 | A1171727 | MM, III, JJJ, KKK, TTT | | EST, Highly similar to 1903270A phenylethanolamine N-methyltransferase [M.musculus], ESTs, Weakly similar to 1617160A phenylethanolamine N-methyltransferase [Rattus norvegicus] [R.norvegicus], Phenylethanolamine N-methyltransferase, nicotinamide N-methyltransferase, thioether S-methyltransferase |
| 1375 | 3693 | A1011448 | GG | | EST, Highly similar to A49128 cell-fate determining gene Notch2 protein - rat [R.norvegicus], EST, Weakly similar to A40043 notch protein homolog TAN-1 precursor [H.sapiens], EST, Weakly similar to S78549 notch3 protein [H.sapiens], Notch homolog 2 (Drosophila) |
| 3387 | 10015 | NM_019289 | B, I, J, O, P, NN, OO, WW | | EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDA SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa) |
| 3387 | 10016 | NM_019289 | A, O, NN, OO, VV | | EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDA SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa) |
| 2853 | 179 | D17809 | GG, WW | | EST, Highly similar to BETA-1,4 N-ACETYL GALACTOSAMINYL TRANSFERASE [M.musculus], RIKEN cDNA 4933429D13 gene, UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosyl-N-acetylglucosaminyl/polypeptide-beta-1,4-N-acetyl/galactosaminyltransferase, UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetyl/galactosaminyltransferase (GalNAc-T), UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide-beta-1,4-N-acetyl/galactosaminyltransferase |

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| Seq ID | GLGC ID No. | Genbank Acc. or RefSeq ID | Model Code | Human Homologous [Known Gene Name] | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|------------|------------------------------------|---|
| 3590 | 15138 | NM_031051 | G, H, Y | | EST, Highly similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to MIF_RAT Macrophage migration inhibitory factor (MIF) (Phenylpyruvate tautomerase) (Glutathione-binding 13 kDa protein) [R.norvegicus], ESTs, Moderately similar to MIF_HUMAN MACROPHAGE MIGRATION INHIBITORY FACTOR [H.sapiens], macrophage migration inhibitory factor, macrophage migration inhibitory factor (glycosylation-inhibiting factor) |
| 1833 | 13305 | AI103332 | E | | EST, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], EST, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], EST, Weakly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], RIKEN cDNA 2310047H23 gene, RIKEN cDNA 4933424A20 gene, procollagen, type XI, alpha 1 |
| 3028 | 24662 | M59786 | V | | EST, Highly similar to CCAC_RAT Voltage-dependent L-type calcium channel alpha-1C subunit (Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle) (RAT brain class C) (RBC) [R.norvegicus], ESTs, Highly similar to CCAC_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT [H.sapiens], ESTs, Highly similar to CCAD_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT [H.sapiens], ESTs, Highly similar to CCAD_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1D SUBUNIT [H.sapiens], Mus musculus putative ion channel protein CATSPER2 mRNA, complete cds, calcium channel, voltage-dependent, L type, alpha 1C subunit |
| 3024 | 1246 | M57507 | | | EST, Highly similar to CYG2_HUMAN GUANYLATE CYCLASE SOLUBLE, BETA-2 CHAIN [H.sapiens], guanylate cyclase 1, soluble, beta 2, guanylate cyclase 1, soluble, beta 3 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 1620 | 8584 | AI058911 | A, B, EEE, MMM | | EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, angiotensin-like 3, expressed sequence AI303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide |
| 1536 | 7891 | AI043759 | N | | EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, Mus musculus, Similar to angiotensin-like factor, clone MGC:32448 IMAGE:5043159, mRNA, complete cds, angiotensin, expressed sequence AI303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide |
| 2449 | 7892 | AI229172 | N | | EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, Mus musculus, Similar to angiotensin-like factor, clone MGC:32448 IMAGE:5043159, mRNA, complete cds, angiotensin, expressed sequence AI303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide |
| 3224 | 22582 | NM_013120 | A, B, G, S, GGG, OOO, General Core Tox Markers | | EST, Highly similar to GCKR RAT GLUCOKINASE REGULATORY PROTEIN [R.norvegicus], Mus musculus, Similar to Glucokinase regulatory protein, clone MGC:19300 IMAGE:4159892, mRNA, complete cds, glucokinase (hexokinase 4) regulatory protein |
| 3232 | 16448 | NM_013197 | M, T | | EST, Highly similar to HEMO_RAT 5-AMINOLEVULINIC ACID SYNTHASE, ERYTHROID-SPECIFIC, MITOCHONDRIAL PRECURSOR (DELTA-AMINOLEVULINATE SYNTHASE) (DELTA-ALA SYNTHETASE) (ALAS-E) [R.norvegicus], ESTs, Highly similar to SYHUA5 5-aminolevulinic acid synthase [H.sapiens], aminolevulinic acid synthase 2 (sideroblastic/hypochromic anemia), aminolevulinic acid synthase 1, aminolevulinic acid synthase 2, erythroid, glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase), glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase) |

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|--|-------------|--------------------------|---|----------------------------------|--|
| Seq ID | GLGC ID No. | GenBank Acc or RatSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 1255 | 15848 | AI007820 | J, K, FF | | EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |
| 1267 | 15849 | AI008074 | XX, YY | | EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |
| 2753 | 15850 | AI236795 | F, J, S, RR General Core Tox Markers, General Alternate | | EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |
| 705 | 10555 | AA900198 | | | EST, Highly similar to I53960 PRR2 alpha [H.sapiens] |
| 2386 | 22835 | AI180367 | MM, TTT | | EST, Highly similar to IM10_RAT MITOCHONDRIAL IMPORT INNER MEMBRANE TRANSLOCASE SUBUNIT TIM10 [R.norvegicus], translocase of inner mitochondrial membrane 10 homolog (yeast), translocase of inner mitochondrial membrane 13 homolog a (yeast) |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 3485 | 9296 | NM_022541 | LLL | | EST, Highly similar to IM8B_MOUSE Mitochondrial import inner membrane translocase subunit TIM8 B (Deafness dystonia protein 2 homolog) [R.norvegicus], translocase of inner mitochondrial membrane 8 homolog B (yeast), translocase of inner mitochondrial membrane 8 homolog b (yeast) |
| 3862 | 19544 | NM_053982 | KK | | EST, Highly similar to JC2234 ribosomal protein S15a, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RS1A_HUMAN 40S RIBOSOMAL PROTEIN S15A [H.sapiens], Homo sapiens cDNA FLJ13026 fis, clone NT2RP3000968, moderately similar to 40S RIBOSOMAL PROTEIN S15A |
| 3862 | 15468 | NM_053982 | F | | EST, Highly similar to JC2234 ribosomal protein S15a, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RS1A_HUMAN 40S RIBOSOMAL PROTEIN S15A [H.sapiens], ribosomal protein S15a |
| 548 | 24295 | AA892260 | R | | EST, Highly similar to JC5386 steroidogenic acute regulatory protein - rat [R.norvegicus], Homo sapiens, clone IMAGE:3855224, mRNA, partial cds, testis expressed gene 261 |
| 4036 | 16963 | NM_147214 | F, SS, NNN | | EST, Highly similar to JH0628 caldesmon [H.sapiens], ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], ESTs, Weakly similar to JC5314 CDC28/cdc2-like kinase associating arginine-serine cyclophilin [H.sapiens], Mus musculus, Similar to Caldesmon 1, clone MGC:30319 IMAGE:5148205, mRNA, complete cds, RIKEN cDNA 2410004D02 gene, RIKEN cDNA 4833423D12 gene, caldesmon 1, major urinary protein 4, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform |
| 2716 | 11465 | A1236084 | JJ | | EST, Highly similar to JT0752 lymphocyte activation-induced receptor iLA precursor [H.sapiens], tumor necrosis factor receptor superfamily, member 9 |

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TABLE 3

| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---------------------------------|----------------------------------|--|
| 1940 | 5559 | A1136892 | L | | EST, Highly similar to KF1D_RAT Kinesin-like protein KIF1D [R.norvegicus], ESTs, Highly similar to KF1C_HUMAN KINESIN-LIKE PROTEIN KIF1C [H.sapiens], ESTs, Weakly similar to KF1C_HUMAN KINESIN-LIKE PROTEIN KIF1C [H.sapiens], ESTs, Weakly similar to KINESIN-LIKE PROTEIN KIF1A [M.musculus], ESTs, Weakly similar to RB6K MOUSE RABKINESIN-6 [M.musculus], KIAA1448 protein, Mus musculus kif1c mRNA for kinesin superfamily protein 1C, complete cds, RIKEN cDNA 3000004C01 gene, Rab6, kinesin-like, kinesin 13B, kinesin family member 13B, kinesin family member 1C |
| 482 | 2753 | AA891589 | RR | | EST, Highly similar to M2GD_HUMAN DIMETHYLGLYCINE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Weakly similar to DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR [R.norvegicus], RIKEN cDNA 1200014D15 gene, dimethylglycine dehydrogenase precursor, expressed sequence AW495222, hypothetical protein FLJ10079 |
| 4004 | 17684 | NM_139102 | F, G, NN, OO, General Alternate | | EST, Highly similar to M2GD_HUMAN DIMETHYLGLYCINE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Weakly similar to DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR [R.norvegicus], RIKEN cDNA 1200014D15 gene, dimethylglycine dehydrogenase precursor, expressed sequence AW495222, hypothetical protein FLJ10079, sarcosine dehydrogenase |
| 1300 | 21838 | A1009131 | C, General Alternate | | EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMYOHCB Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1 |

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| Seq ID | CLCG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---|----------------------------------|--|
| 4278 | 18031 | X94551 | RR | | EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMYOHC Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1 |
| 370 | 21025 | AA859241 | III, JJJ, OOO, General Core Tox Markers | | EST, Highly similar to OM25_RAT MITOCHONDRIAL OUTER MEMBRANE PROTEIN 25 (NPW16) [R.norvegicus], EST, Weakly similar to OM25_RAT Mitochondrial outer membrane protein 25 (NPW16) [R.norvegicus], hypothetical protein FLJ11271, synaptotagmin 2 binding protein |
| 2368 | 9032 | A1179950 | K, TT, LLL, SSS, UUU | | EST, Highly similar to PSA7_HUMAN PROTEASOME SUBUNIT ALPHA TYPE 7 (PROTEASOME SUBUNIT RC6-1) (PROTEASOME SUBUNIT XAPC7) [H.sapiens], EST, Highly similar to S60038 multicatalytic endopeptidase complex (EC 3.4.99.46) alpha chain RC6-I - rat [R.norvegicus], Homo sapiens, similar to Proteasome subunit alpha type 7 (Proteasome subunit RC6-1), clone MGC:26605 IMAGE:4829939, mRNA, complete cds, RIKEN cDNA 2410072D24 gene, proteasome (prosome, macropain) subunit, alpha type 7, proteasome (prosome, macropain) subunit, alpha type, 7 |
| 2520 | 20845 | A1231140 | X, Y, AA, TT | | EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|---|
| 2520 | 20846 | A1231140 | N, XX, YY | | EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a |
| 4248 | 20844 | X65228 | General Alternate | | EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a |
| 580 | 15876 | AA892582 | F, G, H | | EST, Highly similar to RL8_HUMAN 60S ribosomal protein L8 [R.norvegicus], EST, Weakly similar to JN0923 ribosomal protein L8, cytosolic [H.sapiens], ESTs, Highly similar to R5RTL8 ribosomal protein L8, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], ESTs, Moderately similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], expressed sequence AL024098, ribosomal protein L8 |

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| TABLE 3 | | | | | |
|---------|-------------|--------------------------|------------|----------------------------------|---|
| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 284 | 14324 | AA850402 | E | | EST, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Highly similar to POL2 MOUSE RETROVIRUS-RELATED POL POLYPROTEIN [M.musculus], ESTs, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Moderately similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], Homo sapiens cDNA: FLJ22714 fis, clone HSI13646, Homo sapiens mRNA; cDNA DKFZp547C014 (from clone DKFZp547C014), Human kpni repeat mma (cdna clone pcd-kpni-8), 3' end, Mus musculus, Similar to hypothetical protein FLJ10134, clone MGC:25912 IMAGE:4221959, mRNA, complete cds, RIKEN cDNA 493341E06 gene, RIKEN cDNA 6820402119 gene, colon and small intestine-specific cysteine-rich protein precursor, smooth muscle cell-expressed and macrophage conditioned medium-induced protein smag-64 |
| 2376 | 12568 | AI180044 | RR | | EST, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Highly similar to POL2 MOUSE RETROVIRUS-RELATED POL POLYPROTEIN [M.musculus], ESTs, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Moderately similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], Homo sapiens cDNA: FLJ22714 fis, clone HSI13646, Homo sapiens mRNA; cDNA DKFZp547C014 (from clone DKFZp547C014), Human kpni repeat mma (cdna clone pcd-kpni-8), 3' end, Mus musculus, Similar to hypothetical protein FLJ10134, clone MGC:25912 IMAGE:4221959, mRNA, complete cds, RIKEN cDNA 493341E06 gene, RIKEN cDNA 6820402119 gene, colon and small intestine-specific cysteine-rich protein precursor, smooth muscle cell-expressed and macrophage conditioned medium-induced protein smag-64 |

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TABLE 3

| Seq ID | GLC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|------------|--------------------------|----------------|----------------------------------|--|
| 2523 | 21816 | A1231217 | L | | EST, Highly similar to S611 HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], ESTs, Highly similar to S611_HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], SEC61, alpha subunit (S. cerevisiae), SEC61, alpha subunit 2 (S. cerevisiae), Sec61 alpha form 2, protein transport protein SEC61 alpha subunit isoform 1 |
| 1286 | 344 | A1008865 | UU, III, JJJ | | EST, Highly similar to STA3_RAT Signal transducer and activator of transcription 3 [R.norvegicus], signal transducer and activator of transcription 3, signal transducer and activator of transcription 3 (acute-phase response factor) |
| 1225 | 18072 | AF026529 | FF | | EST, Highly similar to STN4_MOUSE Stathmin 4 (Stathmin-like protein B3) (RB3) [R.norvegicus], stathmin-like 4 |
| 614 | 3439 | AA893000 | N, U, BBB | | EST, Highly similar to T00335 hypothetical protein KIAA0564 [H.sapiens], KIAA0564 protein |
| 1105 | 15885 | AA965207 | C | | EST, Highly similar to T14795 hypothetical protein DKFZp434E171.1 [H.sapiens] EST, Highly similar to TERA HUMAN [H.sapiens], EST, Moderately similar to PEX1_HUMAN PEROXISOME BIOGENESIS FACTOR 1 [H.sapiens], EST, Weakly similar to T46437 hypothetical protein DKFZp434K0126.1 [H.sapiens], ESTs, Weakly similar to T46437 hypothetical protein DKFZp434K0126.1 [H.sapiens], ESTs, Weakly similar to TERA MOUSE TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], ESTs, Weakly similar to TERA_RAT TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE (TER ATPASE) (15S MG(2+)-ATPASE P97 SUBUNIT) (VALOSIN CONTAINING PROTEIN) (VCP) [CONTAINS: VALOSIN] [R.norvegicus] |
| 1010 | 25112 | AA956437 | BB, CC | | EST, Moderately similar to acidic ribosomal protein P0 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to acidic ribosomal protein P0 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to RLA0_MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P0 [M.musculus], ESTs, Highly similar to RLA0_MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P0 [M.musculus], ESTs, Highly similar to RLA0_HUMAN 60S ACIDIC RIBOSOMAL PROTEIN P0 [H.sapiens], RIKEN cDNA 2610025P08 gene, acidic ribosomal phosphoprotein P0, ribosomal protein, large, P0 |
| 3471 | 1069 | NM_022402 | V, CC, LL, DDD | | |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 716 | 3822 | AA900863 | OOO, General Core Tox Markers | | EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, Weakly similar to HE47_RAT Probable ATP-dependent RNA helicase p47 [R.norvegicus], ESTs, Moderately similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-I [M.musculus], ESTs, Weakly similar to HE47 RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 2410004K13 gene, RIKEN cDNA 2600001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1 |
| 2609 | 3823 | A1233147 | FFF, GGG, HHH, General Core Tox Markers | | EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, Weakly similar to HE47_RAT Probable ATP-dependent RNA helicase p47 [R.norvegicus], ESTs, Moderately similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-I [M.musculus], ESTs, Weakly similar to HE47 RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 2410004K13 gene, RIKEN cDNA 2600001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1 |
| 3591 | 11899 | NM_031052 | OOO | | EST, Moderately similar to mitochondrial intermediate peptidase [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730405E07 gene, mitochondrial intermediate peptidase, thimet oligopeptidase 1 |
| 124 | 23115 | AA801165 | II | | EST, Moderately similar to RIKEN cDNA 1700113O17 [Mus musculus] [M.musculus], H2A histone family, member L, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 IMAGE:5055276, mRNA, complete cds, expressed sequence R75370 |
| 3616 | 15487 | NM_031137 | Q, R, PPP, QQQ | | EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II |

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| TABLE 3 | | | | | |
|---------|-------------|--------------------------|---------------------------|----------------------------------|--|
| Seq ID | GLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3616 | 15489 | NM_031137 | Q, R, PP, QQ, WW, ZZ, AAA | | EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II |
| 1836 | 14981 | AI103396 | N, MM, TTT | | EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens] |
| 2332 | 14983 | AI179150 | F, S, HH, SS | | EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens] |
| 345 | 14987 | AA858640 | G, H, U | | EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens], ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN 1 (chaperonin), heat shock protein, 60 kDa |
| 294 | 16132 | AA850885 | E, S, T, HH, INNN | | EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C cytochrome oxidase I [H.sapiens], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus] |

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| TABLE 3 | | | | | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|--------------------|----------------------------------|---|
| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | |
| 2920 | 16130 | J01435 | F, DD, EE, HH, NNN | | EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus] |
| 3779 | 16134 | NM_053516 | III, JJJ | | EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus] |
| 3779 | 16135 | NM_053516 | L, S, DD, EE, HH | | EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus] |
| 4080 | 16131 | S79304 | LL, YY | | EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus] |
| 386 | 17142 | AA859612 | J, LL | | EST, Moderately similar to 0806162J protein URF4 [M.musculus], EST, Moderately similar to 810024J URF 4 [H.sapiens], EST, Weakly similar to 0806162J protein URF4 [M.musculus], EST, Weakly similar to 810024J URF 4 [H.sapiens], ESTs, Moderately similar to 0806162J protein URF4 [M.musculus], ESTs, Moderately similar to 810024J URF 4 [H.sapiens], ESTs, Weakly similar to 0806162J protein URF4 [M.musculus] |

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TABLE 3

| Seq ID | CLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------|----------------------------------|--|
| 334 | 17461 | AA858528 | MM, TTT | | EST, Moderately similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], EST, Moderately similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Highly similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Moderately similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], SET translocation, SET translocation (myeloid leukemia-associated), cutaneous T-cell lymphoma-associated tumor antigen se20-4; differentially expressed nucleolar TGF-beta1 target protein (DENTT) |
| 2145 | 23325 | A1172405 | D | | EST, Moderately similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], EST, Moderately similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Highly similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Moderately similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 2008109A set gene [Rattus norvegicus] [R.norvegicus], SET translocation, SET translocation (myeloid leukemia-associated), cutaneous T-cell lymphoma-associated tumor antigen se20-4; differentially expressed nucleolar TGF-beta1 target protein (DENTT) |
| 2320 | 1572 | A1178828 | D, V, NN, OO, PP, EEE, JJJ, MMM | | EST, Moderately similar to 2021415A initiation factor 4E-binding protein:ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3 |
| 3842 | 1570 | NM_053857 | O, P | | EST, Moderately similar to 2021415A initiation factor 4E-binding protein:ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3 |

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| TABLE 3 | | | | |
|---------|-------------|-------------------------|-----------------------------------|---|
| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| | | | | Human Homologous Sequence Cluster Title |
| 3842 | 1571 | NM_053857 | W | EST, Moderately similar to 2021415A initiation factor 4E-binding protein: ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I-rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3 |
| 14 | 18299 | AA799369 | N, General Alternate | EST, Moderately similar to 2113200F ribosomal protein S9 [H.sapiens] |
| 4241 | 15387 | X62482 | Z, AA, OO, JJJ, NNIN | EST, Moderately similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], EST, Moderately similar to R3RT25 ribosomal protein S25, cytosolic [validated] - rat Moderately similar to EST, Weakly similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], [R.norvegicus], EST, Weakly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ESTs, EST, Weakly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ESTs, Highly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ribosomal protein S25 |
| 2053 | 19884 | A1170501 | PP, QQ, YY | EST, Moderately similar to 810024H URF 3 [H.sapiens], EST, Weakly similar to 810024H URF 3 [H.sapiens] |
| 3618 | 15185 | NM_031140 | O, P, Z, AA, NN, OO, VV, EEE, MMM | EST, Moderately similar to A25074 vimentin [H.sapiens], EST, Weakly similar to A25074 vimentin [H.sapiens], ESTs, Weakly similar to A25074 vimentin [H.sapiens], Mus musculus, similar to FLJ00074 protein, clone MGC:36549 IMAGE:4952810, mRNA, complete cds, desmuslin, intermediate filament-like MGC:2625, vimentin |
| 32 | 20843 | AA799545 | VV | EST, Moderately similar to A38983 TCP1 ring complex protein TRiC5 [H.sapiens], EST, Moderately similar to TCPA_HUMAN T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) [R.norvegicus], Homo sapiens, clone IMAGE:4400828, mRNA, chaperonin containing TCP1, subunit 5 (epsilon), potassium large conductance calcium-activated channel, subfamily M, beta member 3-like, t-complex 1 |

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| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 1737 | 1501 | AI072634 | A, I, W, PP, QQ, V, FFF, GGG, General Core Tox Markers | | EST, Moderately similar to A40452 keratin 21, type I, cytoskeletal - rat [R.norvegicus], ESTs, Weakly similar to A40452 keratin 21, type I, cytoskeletal - rat [R.norvegicus], RIKEN cDNA 9030623C06 gene, Rat cyfokeratin 21 mRNA, complete cds, keratin 18, keratin complex 1, acidic, gene 18 |
| 1525 | 23949 | AI031019 | C, E | | EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], ESTs, Moderately similar to E2BA_HUMAN TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to 2112359A initiation factor eIF-2B [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, RIKEN cDNA 2410018C20 gene, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD) |
| 1525 | 23950 | AI031019 | R, PPP, QQQ | | EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], ESTs, Moderately similar to E2BA_HUMAN TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to 2112359A initiation factor eIF-2B [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, RIKEN cDNA 2410018C20 gene, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD) |

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TABLE 3

| Seq ID | GI/CC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|--------------|--------------------------|-------------------------------|----------------------------------|--|
| 3724 | 20793 | NM_032058 | UU | | EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), expressed sequence AA409345, expressed sequence C85417 |
| 2251 | 14384 | AI177096 | JJ, KK, NN, OO, EEE, HHH, MMM | | EST, Moderately similar to APT_RAT ADENINE PHOSPHORIBOSYLTRANSFERASE (APRT) [R.norvegicus], adenine phosphoribosyl transferase, adenine phosphoribosyltransferase, expressed sequence C85684 |
| 3402 | 23226 | NM_019360 | PP, QQ | | EST, Moderately similar to COXI_MOUSE Cytochrome c oxidase polypeptide VIC-2 [R.norvegicus], ESTs, Moderately similar to COXH_HUMAN CYTOCHROME C OXIDASE POLYPEPTIDE VIC PRECURSOR [H.sapiens], cytochrome c oxidase subunit Vic, cytochrome c oxidase, subunit Vic |
| 4159 | 15516 | U68544 | N | | EST, Moderately similar to CYPM_RAT Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor (PPIase) (Rotamase) (Cyclophilin F) [R.norvegicus], ESTs, Highly similar to CYPH_MOUSE PEPTIDYL-PROLYL CIS-TRANS ISOMERASE A [M.musculus], ESTs, Weakly similar to CYPM_RAT Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor (PPIase) (Rotamase) (Cyclophilin F) [R.norvegicus], RIKEN cDNA 2510026K04 gene, RIKEN cDNA 4930520F12 gene, expressed sequence AI256741, expressed sequence AW457192, peptidylprolyl isomerase A, peptidylprolyl isomerase E (cyclophilin E), peptidylprolyl isomerase F (cyclophilin F) |
| 2750 | 16978 | AI236777 | K | | EST, Moderately similar to DDH2_HUMAN NG,NG-DIMETHYLARGININE DIMETHYLAMINOHYDROLASE 2 [H.sapiens], dimethylarginine dimethylaminohydrolase 1, dimethylarginine dimethylaminohydrolase 2 |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------------|----------------------------------|---|
| 3725 | 9106 | NM_032066 | BBB, CCC | | EST, Moderately similar to DHBK MOUSE PUTATIVE STEROID DEHYDROGENASE KIK-1 [M.musculus], ESTs, Weakly similar to DHBK MOUSE PUTATIVE STEROID DEHYDROGENASE KIK-1 [M.musculus], RIKEN cDNA 6330410P18 gene, follicular lymphoma variant translocation 1, hydroxysteroid (17-beta) dehydrogenase 12, retinal short-chain dehydrogenase/reductase 1, short-chain dehydrogenase/reductase 1 |
| 2553 | 24501 | A1232006 | General Alternate | | EST, Moderately similar to EF1D_HUMAN ELONGATION FACTOR 1-DELTA [H.sapiens], ESTs, Moderately similar to EF1D_HUMAN ELONGATION FACTOR 1-DELTA [H.sapiens], hypothetical protein FLJ20897 |
| 1628 | 5573 | A1059063 | D | | EST, Moderately similar to FGHUGB fibrinogen gamma-B chain precursor [H.sapiens], ESTs, Moderately similar to ANL2_MOUSE Angiopoietin-related protein 2 precursor (Angiopoietin-like 2) [M.musculus], Mus musculus, Similar to angiopoietin-related protein 5, clone MGC:32467 IMAGE:5049765, mRNA, complete cds, Mus musculus, Similar to fibrinogen-like 1, clone MGC:37822 IMAGE:5098805, mRNA, complete cds, angiopoietin-like 2, expressed sequence A1593246, fibrinogen, gamma polypeptide, fibrinogen-like 1 |
| 3233 | 21396 | NM_013198 | OO, OOO, General Core Tox Markers | | EST, Moderately similar to FIG1 MOUSE FIG-1 PROTEIN PRECURSOR [M.musculus], RIKEN cDNA 1110061B18 gene, RIKEN cDNA 4930438A08 gene, expressed sequence A1482520, expressed sequence AW990848, interleukin-four induced gene 1, monoamine oxidase B |
| 768 | 23173 | AA925057 | O, VV | | EST, Moderately similar to G02666 cysteine-rich protein 1 [H.sapiens], cysteine rich intestinal protein, cysteine-rich protein 1 (intestinal), expressed sequence AW743261 |
| 2197 | 20823 | A1176302 | XX, YY | | EST, Moderately similar to I48346 ribosomal protein fau - mouse [M.musculus], EST, Weakly similar to UBIM_HUMAN UBIQUITIN-LIKE PROTEIN FUBI {SUB 1-74 [H.sapiens], EST, Weakly similar to UBIM_RAT UBIQUITIN-LIKE PROTEIN FUBI [R.norvegicus], Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived) |
| 3467 | 22413 | NM_022392 | A, B | | EST, Moderately similar to IS11_RAT Insulin-induced protein 1 (Insulin-induced growth response protein CL-6) (Immediate-early protein CL-6) [R.norvegicus], RIKEN cDNA 2900053111 gene, insulin induced gene 1, insulin induced protein 2 |

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| TABLE 3 | | Human Homologous Sequence/Cluster Title | |
|-------------|--------------------------|--|--|
| Seq ID | Genbank Acc or RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster Title |
| GLGC ID No. | Model Code | | |
| 4270 | X83231 | | EST, Moderately similar to ITH3_RAT Inter-alpha-trypsin inhibitor heavy chain H3 precursor (ITI heavy chain H3) [R.norvegicus], inter-alpha (globulin) inhibitor, H1 polypeptide, inter-alpha (globulin) inhibitor, H2 polypeptide, inter-alpha trypsin inhibitor, heavy chain 1, inter-alpha trypsin inhibitor, heavy chain 3, pre-alpha (globulin) inhibitor, H3 polypeptide |
| 4150 | U60096 | RR | EST, Moderately similar to JN0786 integrin beta-4 chain precursor - mouse [M.musculus], ESTs, Moderately similar to JN0786 integrin beta-4 chain precursor - mouse [M.musculus], expressed sequence AA407042, integrin beta 4, integrin, beta 4 |
| 4169 | U75932 | I, J, OOO, General Alternate | EST, Moderately similar to KAPO_RAT CAMP-DEPENDENT PROTEIN KINASE TYPE I-ALPHA REGULATORY CHAIN [R.norvegicus], EST, Weakly similar to KAP1 MOUSE CAMP-DEPENDENT PROTEIN KINASE TYPE I-BETA REGULATORY CHAIN [M.musculus], protein kinase, cAMP dependent regulatory, type I beta, protein kinase, cAMP dependent regulatory, type I, alpha, protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) |
| 3418 | NM_020103 | D | EST, Moderately similar to LY6H_HUMAN LYMPHOCYTE ANTIGEN LY-6H PRECURSOR [H.sapiens], ESTs, Moderately similar to D45835 Ly6 homolog RK3 precursor - rat [R.norvegicus], ESTs, Weakly similar to LY6F MOUSE LYMPHOCYTE ANTIGEN LY-6F.1 PRECURSOR [M.musculus], expressed sequence AI789751, lymphocyte antigen 6 complex, locus C, lymphocyte antigen 6 complex, locus E, lymphocyte antigen 6 complex, locus H |
| 3993 | NM_138900 | I, J, U, X, Y, Z, AA, GG, HH, LL, FFF, GGG, LLL, RRR, SSS, UUU | EST, Moderately similar to MAS2_HUMAN MANNAN-BINDING LECTIN SERINE PROTEASE 2 PRECURSOR [H.sapiens], ESTs, Moderately similar to CRAR_HUMAN COMPLEMENT-ACTIVATING COMPONENT OF RA-REACTIVE FACTOR PRECURSOR [H.sapiens], Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, r subcomponent, complement component 1, s subcomponent, mannan-binding lectin serine protease 2 |

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| Seq ID | GLGG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---|----------------------------------|--|
| 1360 | 163 | A1010480 | X, Y | | EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial |
| 1360 | 164 | A1010480 | I | | EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial |
| 3476 | 162 | NM_022516 | VV | | EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial |
| 3776 | 23558 | NM_053507 | OO, III, JJJ, KKK, General Core Tox Markers | | EST, Moderately similar to NDK3_MOUSE NUCLEOSIDE DIPHOSPHATE KINASE 3 (NDK 3) (NDP KINASE 3) (NM23-M3) (DR-NM23) [M.musculus], expressed in non-metastatic cells 3, expressed in non-metastatic cells 4, protein (NM23-M4)(nucleoside diphosphate kinase), expressed in non-metastatic cells 3, protein expressed in, non-metastatic cells 4, protein expressed in |
| 4179 | 9841 | U94856 | O, P, GG, PP, QQ, XX, YY | | EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], EST, Weakly similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, paraoxonase 1, paraoxonase 2 |
| 4179 | 9842 | U94856 | A, B, BB, CC, GG, HH, NN, OO, PP, QQ, BBB, CCC, HHH, PPP, QQQ | | EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], EST, Weakly similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, paraoxonase 1, paraoxonase 2 |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------|---|--|
| Seq ID | GLGG ID No. | GenBank Accor RefSeq ID | Human Homologous Known Gene Name |
| | | Model Code | |
| 1998 | 1335 | AI169105 | PPP, QQQ |
| | | B, H, GG, HHH, PPP, General Core Tox Markers | EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], ESTs, Moderately similar to PON2_HUMAN SERUM PARAOXONASE/ARYLESTERASE 2 [H.sapiens], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, Mus musculus, Similar to paraoxonase 2, clone MGC:11614 IMAGE:3154583, mRNA, complete cds, paraoxonase 1, paraoxonase 2 |
| 160 | 6016 | AA818163 | |
| | | | EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum aryldiacylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, expressed sequence AI786302, paraoxonase 1, paraoxonase 3 |
| 472 | 9136 | AA891226 | G, H, X, Y, GGG, LLL |
| | | | EST, Moderately similar to PSB5_RAT Proteasome subunit beta type 5 precursor (Proteasome epsilon chain) (Macropain epsilon chain) (Multicatalytic endopeptidase complex epsilon chain) (Proteasome subunit X) (Proteasome chain 6) [R.norvegicus], RIKEN cDNA 5830406J20 gene, proteasome (prosome, macropain) subunit, beta type 5, proteasome (prosome, macropain) subunit, beta type, 5 |
| 3994 | 18083 | NM_138907 | BBB, RRR, SSS |
| | | | EST, Moderately similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], ESTs, Weakly similar to MTE1_RAT Acyl coenzyme A thioester hydrolase, mitochondrial precursor (Very-long-chain acyl-CoA thioesterase) (MTE-1) [R.norvegicus], ESTs, Weakly similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], Homo sapiens cDNA FLJ31235 fis, clone KIDNE2004681, moderately similar to Mus musculus peroxisomal long chain acyl-CoA thioesterase lb (Pte1b) gene, Mus musculus, Similar to bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase), clone MGC:19156 IMAGE:4220620, mRNA, complete cds, mitochondrial acyl-CoA thioesterase 1, peroxisomal long-chain acyl-coA thioesterase |

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TABLE 3

| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 2589 | 5602 | A1232611 | K, U, FF, BBB, RRR | | EST, Moderately similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], ESTs, Weakly similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], Homo sapiens cDNA FLJ31235 fis, clone KIDNE2004681, moderately similar to Mus musculus peroxisomal long chain acyl-CoA thioesterase 1b (Pte1b) gene, Mus musculus, Similar to cytosolic acyl-CoA thioesterase 1, clone MGC:27572 IMAGE:4485973, mRNA, complete cds, RIKEN cDNA 4632408A20 gene, expressed sequence AW108394, mitochondrial acyl-CoA thioesterase 1, peroxisomal acyl-CoA thioesterase 2A, peroxisomal acyl-CoA thioesterase 2B, peroxisomal long-chain acyl-coA thioesterase |
| 4118 | 1478 | U32314 | M, V, DDD, GGG, LLL, UUU, General Core Tox Markers | | EST, Moderately similar to PYC_RAT Pyruvate carboxylase, mitochondrial precursor (Pyruvic carboxylase) (PCB) [R.norvegicus], Mus musculus, Similar to Propionyl Coenzyme A carboxylase, alpha polypeptide, clone MGC:11973 IMAGE:3601148, mRNA, complete cds, pyruvate carboxylase, pyruvate decarboxylase |
| 4118 | 1479 | U32314 | M, X, VV, DDD, GGG, LLL, UUU, General Core Tox Markers | | EST, Moderately similar to PYC_RAT Pyruvate carboxylase, mitochondrial precursor (Pyruvic carboxylase) (PCB) [R.norvegicus], Mus musculus, Similar to Propionyl Coenzyme A carboxylase, alpha polypeptide, clone MGC:11973 IMAGE:3601148, mRNA, complete cds, pyruvate carboxylase, pyruvate decarboxylase |
| 1960 | 11321 | A1137752 | S | | EST, Moderately similar to R5HU7 ribosomal protein L7, cytosolic [H.sapiens], EST, Weakly similar to RL7 MOUSE 60S RIBOSOMAL PROTEIN L7 [M.musculus], ESTs, Highly similar to R5HU7 ribosomal protein L7, cytosolic [H.sapiens], ribosomal protein L7 |

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| TABLE 3 | | | | |
|---------|-------------|-------------------------|--|---|
| Seq ID | GLGC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| | | | | Human Homologous Sequence Cluster Title |
| 1563 | 18205 | AI044836 | EE, NNN | EST, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], Homo sapiens, clone MGC:22221 IMAGE:4687764, mRNA, complete cds, Mus musculus, Similar to fusion, derived from t(12;16) malignant liposarcoma, clone MGC:18917 IMAGE:3153860, mRNA, complete cds, Nucleolin, RNA binding motif protein 8A, TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68 kDa, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen |
| 4238 | 4441 | X62146 | II, JJ, KK, DDD, FFF, GGG, General Alternate | EST, Moderately similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], EST, Moderately similar to RL11_HUMAN 60S ribosomal protein L11 [R.norvegicus], EST, Weakly similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], ESTs, Highly similar to RIKEN cDNA 2010203J19 [Mus musculus] [M.musculus], ESTs, Moderately similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], RIKEN cDNA 2010203J19 gene, ribosomal protein L11 |
| 3200 | 17174 | NM_013030 | JJ, KK, HHH | EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17 |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|--------------------------|---|---|
| Seq ID | Genbank Acc or RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 4227 | X58389 | | EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17 |
| 4233 | X60212 | | EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17 |
| 1788 | A1102023 | S | EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35 |
| 3017 | M34331 | DDD | EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35 |
| 3017 | M34331 | F, DDD | EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35 |
| 3674 | NM_031709 | F | EST, Moderately similar to RS12_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ESTs, Moderately similar to R3HU12 ribosomal protein S12, cytosolic [H.sapiens], ESTs, Moderately similar to RS12_MOUSE 40S RIBOSOMAL PROTEIN S12 [M.musculus], ribosomal protein S12 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|--|
| 3705 | 10267 | NM_031838 | LL | | EST, Moderately similar to RS2_MOUSE_40S_RIBOSOMAL_PROTEIN_S2 [M.musculus], EST, Weakly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], EST, Weakly similar to RS2_HUMAN_40S_RIBOSOMAL_PROTEIN_S2 [H.sapiens], EST, Weakly similar to RS2_RAT_40S_RIBOSOMAL_PROTEIN_S2 [R.norvegicus], ESTs, Highly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein S2; repeat family 3 gene [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:4816496, mRNA, partial cds, ribosomal protein S2 |
| 3705 | 10269 | NM_031838 | CC | | EST, Moderately similar to RS2_MOUSE_40S_RIBOSOMAL_PROTEIN_S2 [M.musculus], EST, Weakly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], EST, Weakly similar to RS2_HUMAN_40S_RIBOSOMAL_PROTEIN_S2 [H.sapiens], EST, Weakly similar to RS2_RAT_40S_RIBOSOMAL_PROTEIN_S2 [R.norvegicus], ESTs, Highly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein S2; repeat family 3 gene [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:4816496, mRNA, partial cds, ribosomal protein S2 |
| 3608 | 19161 | NM_031111 | WW | | EST, Moderately similar to RS21_RAT_40S_RIBOSOMAL_PROTEIN_S21 [R.norvegicus], ribosomal protein S21 |
| 3608 | 19162 | NM_031111 | CCC | | EST, Moderately similar to RS21_RAT_40S_RIBOSOMAL_PROTEIN_S21 [R.norvegicus], ribosomal protein S21 |
| 2687 | 11644 | A1235282 | FFF, GGG, General Alternate | | EST, Moderately similar to S25111_alpha-2_macrolobulin_receptor_precursor - mouse [M.musculus], ESTs, Highly similar to S25111_alpha-2_macrolobulin_receptor_precursor - mouse [M.musculus], ESTs, Weakly similar to S25111_alpha-2_macrolobulin_receptor_precursor - mouse [M.musculus], low density lipoprotein receptor-related protein 1, low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor) |

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| Seq ID | CLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 556 | 13647 | AA892367 | B, XX, YY, HHH | | EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3 MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like |
| 4239 | 13646 | X62166 | G, H, JJ, KK, UU, GGG, HHH, General Alternate | | EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3 MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like |
| 1262 | 22230 | A1007920 | EE | | EST, Moderately similar to S40468 proteasome subunit RC10-II - rat [R.norvegicus], ESTs, Weakly similar to proteasome (prosome, macropain) subunit, beta type, 3 [Mus musculus] [M.musculus], proteasome (prosome, macropain) subunit, beta type 3, proteasome (prosome, macropain) subunit, beta type, 3 |
| 2696 | 18252 | A1235497 | II | | EST, Moderately similar to S65792 ribosomal protein L9, cytosolic [H.sapiens], EST, Weakly similar to RL9_RAT 60S RIBOSOMAL PROTEIN L9 [R.norvegicus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L9 [M.musculus], RIKEN cDNA 4930401B11 gene, ribosomal protein L9 |
| 1249 | 4014 | A1007645 | J, Z, AA | | EST, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Highly similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to NED4 MOUSE NEDD-4 PROTEIN [M.musculus], neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a |

TABLE 3

| Seq ID | | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------|-------------|---|------------|----------------------------------|---|
| 1766 | 10573 | AI101003 | M | | | EST, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Highly similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to NED4 MOUSE NEDD-4 PROTEIN [M.musculus], neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a |
| 2195 | 19363 | AI176247 | A, Y, GGG, QQQ, General Core Tox Markers | | | EST, Moderately similar to SCO2_HUMAN SCO2 PROTEIN HOMOLOG PRECURSOR [H.sapiens], EST, Weakly similar to SCO2_HUMAN SCO2 PROTEIN HOMOLOG PRECURSOR [H.sapiens] |
| 1769 | 15192 | AI101099 | T | | | EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2 |
| 2206 | 15191 | AI176456 | C, E, L, T, W, DD, SS, WW, III, JJJ, KKK, NNN | | | EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2 |
| 270 | 14024 | AA849619 | CCC | | | EST, Moderately similar to T08727 probable H+-transporting ATP synthase [H.sapiens] |

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------|----------------------------------|--|
| 52 | 21679 | AA799691 | DD, EE, KKK, NNN, OOO | | EST, Moderately similar to T31432 K-CI cotransport protein 2, furosemide-sensitive - rat [R.norvegicus], ESTs, Highly similar to T17275 hypothetical protein DKFZp434D2135.1 [H.sapiens], ESTs, Moderately similar to T31432 K-CI cotransport protein 2, furosemide-sensitive - rat [R.norvegicus], Mus musculus strain ILS K-CI cotransporter (Slc12a5) mRNA, complete cds, solute carrier family 12, (potassium-chloride transporter) member 5, solute carrier family 12, member 7 |
| 2635 | 13294 | A1233731 | A, B, H, S, GGG, HHH | | EST, Moderately similar to TCPA_HUMAN T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [H.sapiens], EST, Moderately similar to TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT [H.sapiens], EST, Weakly similar to TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT [H.sapiens], ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) [R.norvegicus], chaperonin containing TCP1, subunit 5 (epsilon), potassium large conductance calcium-activated channel, subfamily M, beta member 3-like, t-complex 1 |
| 2295 | 19586 | A1178239 | LL | | EST, Moderately similar to TVRTYP GTP-binding protein Rab1 - rat [R.norvegicus], ESTs, Moderately similar to RAS-RELATED PROTEIN RAB-1A [M.musculus], RAB1B, member RAS oncogene family, RAB33B, member RAS oncogene family |
| 4196 | 19584 | X13905 | QQ, RR, UU | | EST, Moderately similar to TVRTYP GTP-binding protein Rab1 - rat [R.norvegicus], ESTs, Moderately similar to RAS-RELATED PROTEIN RAB-1A [M.musculus], RAB1B, member RAS oncogene family, RAB33B, member RAS oncogene family |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------------------|---|--|
| Seq ID | Genbank Accor RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 4100 | 22039 U13176 | | EST, Moderately similar to UB5B_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 2 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 2) [R.norvegicus], EST, Weakly similar to UB5B_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 [M.musculus], ESTs, Moderately similar to I59365 ubiquitin conjugating enzyme [H.sapiens], ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], Homo sapiens EST from clone 37208, full insert, Homo sapiens cDNA FLJ13857 fis, clone THYRO1001003, weakly similar to UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19), Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), Mus musculus, ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast), clone MGC:28550 IMAGE:4205941, mRNA, complete cds, RIKEN cDNA 1700013N18 gene, ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 2, ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast), Moderately similar to Y054_HUMAN HYPOTHETICAL PROTEIN KIAA0054 [H.sapiens], Homo sapiens cDNA FLJ13662 fis, clone PLACE1011643, KIAA1769 protein, helicase with zinc finger domain |
| 566 | 9074 AA892465 | | EST, Moderately similar to Y124_HUMAN HYPOTHETICAL PROTEIN KIAA0124 [H.sapiens], block of proliferation 1 |
| 2023 | 23260 A1169617 | | EST, Weakly similar to aldo-keto reductase family 1, member A1 (aldehyde reductase) [Rattus norvegicus], RIKEN cDNA 2310005E10 gene, aldo-keto reductase family 1, member A1 (aldehyde reductase), aldo-keto reductase family 1, member A4 (aldehyde reductase) |
| 3580 | 23109 NM_031000 | G, H | |

| TABLE 3 | | | | | |
|---|-------------|-------------------------|-------------------------------------|----------------------------------|--|
| Attorney Docket 44921-5038-01WO Document No. 1935828.1 | | | | | |
| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3857 | 16546 | NM_053965 | U, FF, LL, BBB, CCC, RRR, SSS | | EST, Weakly similar to carnitine/acylcarnitine translocase; mitochondrial carnitine-acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15 |
| 3857 | 16547 | NM_053965 | RRR, SSS | | EST, Weakly similar to carnitine/acylcarnitine translocase; mitochondrial carnitine-acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15 |

TABLE 3
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 Document No. 1935828.1

| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------------------|----------------------------------|---|
| 3799 | 20902 | NM_053593 | C, G, H | | EST, Weakly similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to CDK4 MOUSE CELL DIVISION PROTEIN KINASE 4 [M.musculus], cyclin-dependent kinase 4, cyclin-dependent kinase 6 |
| 143 | 2544 | AA817968 | LLL, SSS, UUU, General Alternate | | EST, Weakly similar to ectonucleotide pyrophosphatase/phosphodiesterase 1 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to A39216 plasma cell membrane glycoprotein PC-1 [H.sapiens], ectonucleotide pyrophosphatase/phosphodiesterase 1, ectonucleotide pyrophosphatase/phosphodiesterase 5 |
| 3887 | 15838 | NM_057143 | KK | | EST, Weakly similar to fertility protein SP22 [Rattus norvegicus] [R.norvegicus], RNA binding protein regulatory subunit, RNA-binding protein regulatory subunit |
| 3887 | 15839 | NM_057143 | Q, R, JJ, KK, NNN | | EST, Weakly similar to fertility protein SP22 [Rattus norvegicus] [R.norvegicus], RNA binding protein regulatory subunit, RNA-binding protein regulatory subunit |
| 567 | 9254 | AA892470 | C, H, S, OOO | | EST, Weakly similar to histone H2A.F.Z variant [Homo sapiens] [H.sapiens], EST's, Weakly similar to H2AZ_HUMAN HISTONE H2A [H.sapiens], H2A histone family, member Z, Homo sapiens cDNA FLJ32241 fis, clone PLACE6005231, RIKEN cDNA C53002L1.1 gene, histone H2A.F.Z variant |
| 25 | 16942 | AA799520 | T, MM, PPP, QQQ, TTT | | EST, Weakly similar to integral membrane protein 2B [Homo sapiens] [H.sapiens], integral membrane protein 2B |
| 2717 | 16943 | AI236097 | PPP, QQQ | | EST, Weakly similar to integral membrane protein 2B [Homo sapiens] [H.sapiens], integral membrane protein 2B |
| 4156 | 904 | U67082 | DDD | | EST, Weakly similar to Kruppel associated box (KRAB) zinc finger 1 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens], ESTs, Moderately similar to DNA-binding protein; zinc finger protein 253 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to ZINC FINGER PROTEIN 91 [H.sapiens], Mus musculus, Similar to RIKEN cDNA 2610036F08 gene, clone MGC:28645 IMAGE:4224834, mRNA, complete cds, expressed sequence AI790734, expressed sequence AU021768, zinc finger protein 386 (Kruppel-like), zinc finger protein 91 (HPF7, HTF10) |

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| Seq ID | GLGC ID/No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------------|----------------------------------|---|
| 3525 | 21491 | NM_022951 | ZZ, AAA | | EST, Weakly similar to proline rich protein 2 [Mus musculus] [M.musculus], EST, Weakly similar to ZAP3_MOUSE Nuclear protein ZAP3 [M.musculus], ESTs, Weakly similar to proline rich protein 2 [Mus musculus] [M.musculus], expressed sequence AA408880, pantothenate kinase, proline rich protein 2, protein phosphatase 1, regulatory subunit 10 |
| 75 | 20811 | AA799899 | RR | | EST, Weakly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens] |
| 4197 | 20810 | X14181 | EEE, MMM | | EST, Weakly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens] |
| 1133 | 3496 | AA997304 | F | | EST, Weakly similar to ribosomal protein, mitochondrial, S22 [Mus musculus] [M.musculus], mitochondrial ribosomal protein S22 |
| 497 | 18269 | AA891769 | D, N | | EST, Weakly similar to SC65 synaptonemal complex protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to SC65 synaptonemal complex protein [Rattus norvegicus] [R.norvegicus], SC65 synaptonemal complex protein, cartilage associated protein, growth suppressor 1, nucleolar autoantigen (55kD) similar to rat synaptonemal complex protein |
| 3893 | 14126 | NM_057208 | VV | | EST, Weakly similar to tropomyosin 3, gamma [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus] |
| 777 | 21010 | AA925306 | D, U, FF, BBB, RRR, SSS | | EST, Weakly similar to 1701410A choline acetyltransferase [Rattus norvegicus] [R.norvegicus], carnitine acetyltransferase |

| TABLE 3 | | | | | |
|---------|-------------|--------------------------|--|----------------------------------|---|
| Seq. ID | GLGC ID No. | GenBank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 4220 | 24577 | X55153 | C, F, K, DDD | | EST, Weakly similar to 60S ACIDIC RIBOSOMAL PROTEIN P2 [R.norvegicus], EST, Weakly similar to R6HUP2 acidic ribosomal protein P2, cytosolic [H.sapiens], ESTs, Highly similar to MTJ1 MOUSE DNAJ PROTEIN HOMOLOG MTJ1 [M.musculus], ESTs, Weakly similar to RLA1 MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P1 [M.musculus], Homo sapiens cDNA FLJ31504 fis, clone NT2NE2005804, weakly similar to 60S ACIDIC RIBOSOMAL PROTEIN P2, expressed sequence A1255964, ribosomal protein, large, P1 |
| 3859 | 15135 | NM_053971 | G, H, FFF | | EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6 |
| 3859 | 15136 | NM_053971 | M, X, Y, KK, HHH, General Core Tox Markers | | EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6 |
| 118 | 22025 | AA800849 | S, TT | | EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene |
| 279 | 22027 | AA850060 | V, OOO | | EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene |
| 279 | 22028 | AA850060 | CCC | | EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene |
| 908 | 22029 | AA945284 | K, N | | EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene |
| 1371 | 22030 | A1011177 | N, BB, CC | | EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene |

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TABLE 3
Human Homologous Sequence Cluster Title

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3755 | 11319 | NM_053357 | HH | | EST, Weakly similar to A Chain A, Crystal Structure Of The Xtc3-CbdBETA-Catenin Armadillo Repeat Complex [H.sapiens], catenin (cadherin-associated protein), beta 1 (88kD), catenin beta |
| 2989 | 24860 | M13506 | E, K, M, X, TT, BBB, DDD, EEE, MMM | | EST, Weakly similar to A27878 glucuronosyltransferase [H.sapiens], ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B15, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |
| 3005 | 1540 | M25073 | BB, CC, II, NNN, General Alternate | | EST, Weakly similar to A32852 membrane alanyl aminopeptidase (EC 3.4.11.2) - rat [R.norvegicus], ESTs, Weakly similar to AMPN MOUSE AMINOPEPTIDASE N [M.musculus], RIKEN cDNA 201011101 gene, RIKEN cDNA 4833403I15 gene, alanyl (membrane) aminopeptidase, alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150) |
| 1381 | 3995 | AI011678 | GGG, General Core Tox Markers | | EST, Weakly similar to A33880 syndecan 2 [H.sapiens], Mus musculus, clone IMAGE:4983756, mRNA, partial cds, syndecan 2, syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan) |
| 3042 | 1529 | M81687 | S, FFF, GGG, OOO, UUU, General Core Tox Markers | | EST, Weakly similar to A38712 fibrillarlin [H.sapiens], EST, Weakly similar to FBRL MOUSE FIBRILLARIN [M.musculus], ESTs, Moderately similar to FIBRILLARIN [M.musculus], expressed sequence AL022665, fibrillarlin |
| 998 | 17540 | AA955914 | A, B | | |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------|----------------------------------|---|
| 2046 | 2248 | AI170332 | BB, CC | | EST, Weakly similar to A3B1_MOUSE Adapter-related protein complex 3 beta 1 subunit (Beta-adaptin 3A) (AP-3 complex beta-3A subunit) [Beta-3A-adaptin] [M.musculus], Mus musculus, clone MGC:36656 IMAGE:5364848, mRNA, complete cds, adaptor-related protein complex 3, beta 1 subunit, adaptor-related protein complex AP-3, beta 1 subunit, adaptor-related protein complex AP-3, beta 2 subunit |
| 3502 | 24442 | NM_022667 | JJ | | EST, Weakly similar to A41120 prostaglandin transporter - rat [R.norvegicus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to PGT_HUMAN PROSTAGLANDIN TRANSPORTER [H.sapiens], expressed sequence A1060904, solute carrier family 21 (organic anion transporter), member 11, solute carrier family 21 (organic anion transporter), member 12, solute carrier family 21 (prostaglandin transporter), member 2 |
| 3869 | 24655 | NM_053998 | RR | | EST, Weakly similar to A42148 GTP-binding protein rab8 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to cell line NK14 derived transforming oncogene [Mus musculus] [M.musculus], ESTs, Weakly similar to RAB8_HUMAN RAS-RELATED PROTEIN RAB-8 [H.sapiens], RIKEN cDNA 0610007N03 gene, RIKEN cDNA 2310012G06 gene, SOCS box containing protein RAR3, cell line NK14 derived transforming oncogene, mel transforming oncogene (derived from cell line NK14)- RAB8 homolog |
| 3935 | 17880 | NM_133308 | M | | EST, Weakly similar to A43932 mucin 2 precursor, intestinal [H.sapiens], ESTs, Weakly similar to A43932 mucin 2 precursor, intestinal [H.sapiens], Homo sapiens mRNA for FLJ00219 protein, hepatitis A virus cellular receptor 1 |
| 887 | 12301 | AA944727 | EE, PP, QQ, III, JJJ, NNN | | EST, Weakly similar to A44437 regenerating liver inhibitory factor RL/IF-1 - rat [R.norvegicus], Homo sapiens, Similar to GA binding protein transcription factor, beta subunit 1 (53kD), clone MGC:29891 IMAGE:5139830, mRNA, complete cds, ankyrin repeat domain 2 (stretch responsive muscle), molecule possessing ankyrin repeats induced by lipopolysaccharide (MAIL), homolog of mouse, nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha, testis-specific ankyrin motif containing protein |

| TABLE 3 | | | | | | |
|---------|-------------|------------------------|---------------------------|----------------------------------|--|---|
| Seq ID | CLGG ID No. | GenBank Accor RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| 3558 | 13633 | NM_024403 | W | | EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5 | Attorney Docket 44921-5038-01WO Document No. 1935828.1 |
| 3558 | 13634 | NM_024403 | M | | EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5 | |
| 302 | 2103 | AA851135 | YY | | EST, Weakly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ESTs, Highly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ribosomal protein S27 (metallopanstimulin 1), ribosomal protein S27-like | |
| 1277 | 22126 | A1008511 | RR | | EST, Weakly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ESTs, Highly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ribosomal protein S27 (metallopanstimulin 1), ribosomal protein S27-like | |
| 176 | 6234 | AA818612 | F | | EST, Weakly similar to A55749 spliceosome-associated protein SAP 61 [H.sapiens], splicing factor 3a, subunit 3, 60kD | |
| 4252 | 588 | X69834 | H, O, P, GG, PPP, QQQ | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], Mus musculus adult male pituitary gland cDNA, RIKEN full-length enriched library, clone:5330437D01:serine protease inhibitor 2-1, full insert sequence, kallikrein binding protein | |
| 2841 | 3292 | D00753 | E, BB, III, JJJ, KKK, NNN | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], RIKEN cDNA 4833409F13 gene, serine protease inhibitor 2-2 | |
| 3023 | 17145 | M38566 | VV | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2 | |
| 3106 | 17147 | NM_012657 | L, TT | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2 | |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3106 | 17148 | NM_012657 | HH, TT | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2 |
| 4282 | 17146 | Y07534 | J | | EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2 |
| 42 | 17380 | AA799612 | MM, TTT | | EST, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Moderately similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2C |
| 3617 | 17379 | NM_031138 | R, DD, EE, MM, WW, TTT, General Alternate | | EST, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Moderately similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2C |

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| Seq ID | CLC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|------------|--------------------------|--------------------------|----------------------------------|---|
| 4091 | 2010 | U05675 | E, S, MM, KKK, TTT | | EST, Weakly similar to beta-fibrinogen precursor [H.sapiens], ESTs, Moderately similar to ANL2_MOUSE Angiopoietin-related protein 2 precursor (Angiopoietin-like 2) [M.musculus], ESTs, Weakly similar to FIBB_RAT Fibrinogen beta chain precursor [Contains: Fibrinopeptide B] [R.norvegicus], Mus musculus, Similar to angiopoietin-related protein 5, clone MGC:32467 IMAGE:5049765, mRNA, complete cds, Mus musculus, Similar to fibrinogen-like 1, clone MGC:37822 IMAGE:5098805, mRNA, complete cds, angiopoietin-like 2, expressed sequence A1593246 |
| 865 | 2762 | AA944165 | General Core Tox Markers | | EST, Weakly similar to C10_MOUSE PUTATIVE C10 PROTEIN [M.musculus], hypothetical protein BC009925 |
| 2423 | 9038 | A1228419 | T | | EST, Weakly similar to CAHB_HUMAN CARBONIC ANHYDRASE-RELATED PROTEIN 2 PRECURSOR (CARP 2) (CA-RP II) (CA-XI) (CARBONIC ANHYDRASE-RELATED PROTEIN 11) (CARP XI) [H.sapiens], ESTs, Weakly similar to A Chain A, Crystal Structure Of S-Glutathiolated Carbonic Anhydrase Iii [R.norvegicus], Mus musculus, Carbonic anhydrase-related protein 10, clone MGC:27641 IMAGE:4507552, mRNA, complete cds, RIKEN cDNA 2700029L05 gene, carbonic anhydrase 11, carbonic anhydrase 13, carbonic anhydrase 14, carbonic anhydrase VI, carbonic anhydrase VII, carbonic anhydrase XI |
| 321 | 14292 | AA851791 | R | | EST, Weakly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Highly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Moderately similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Weakly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], bromodomain containing 2 |
| 311 | 19211 | AA851329 | KK, HHH | | EST, Weakly similar to CBX3_HUMAN CHROMOX PROTEIN HOMOLOG 3 [H.sapiens], ESTs, Moderately similar to CBX3_HUMAN CHROMOX PROTEIN HOMOLOG 3 [H.sapiens], Homo sapiens, clone IMAGE:4798132, mRNA, partial cds |
| 2313 | 2825 | A1178752 | WW | | EST, Weakly similar to CLN3_HUMAN CLN3 PROTEIN [H.sapiens], Homo sapiens clone 319 CLN3 protein (CLN3) mRNA, complete cds, expressed sequence A1323623 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------|----------------------------------|---|
| 3606 | 16929 | NM_031108 | H | | EST, Weakly similar to COLLAGEN ALPHA 2(VI) CHAIN PRECURSOR [M.musculus], Mus musculus. Similar to splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila), clone MGC:31019 IMAGE:5006904, mRNA, complete cds, RIKEN cDNA 3010033P07 gene, expressed sequence AL022771, expressed sequence AL022885, ribosomal protein S9 |
| 2900 | 9745 | H31847 | Q, R | | EST, Weakly similar to DYJ2_HUMAN DYNEIN LIGHT INTERMEDIATE CHAIN 2, CYTOSOLIC [H.sapiens], LIC-2 dynein light intermediate chain 53/55, RIKEN cDNA 1110053F02 gene, dynein light chain-A, dynein, cytoplasmic, light intermediate polypeptide 2, expressed sequence AA409702 |
| 22 | 15654 | AA799501 | KK, GGG, HHH, General Alternate | | EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene |
| 3187 | 20943 | NM_012985 | MM, TTT | | EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene |
| 4198 | 15653 | X14210 | CC, II | | EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene |
| 2972 | 1695 | L35921 | XX, YY, PPP, QQQ | | EST, Weakly similar to GBG9 RAT GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-9 SUBUNIT [M.musculus], ESTs, Highly similar to AF188180 1 G-protein gamma 8 subunit [M.musculus], ESTs, Weakly similar to GBG8_MOUSE Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-8 subunit (Gamma-9) [R.norvegicus], G-protein gamma 8 subunit, guanine nucleotide binding protein (G protein), gamma 2 subunit, guanine nucleotide binding protein (G protein), gamma 4 subunit, guanine nucleotide binding protein 4 |

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| Seq ID | GLGC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-----------------|----------------------------------|---|
| 3572 | 15186 | NM_030861 | DD, EE | | EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase |
| 3572 | 15187 | NM_030861 | FF, TT, NNN | | EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase |
| 3572 | 15188 | NM_030861 | DD, EE, GG, OOO | | EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase |
| 550 | 7226 | AA892297 | D | | EST, Weakly similar to HDA2_HUMAN HISTONE DEACETYLASE 2 [H.sapiens], Mus musculus, Similar to hypothetical protein FLJ22237, clone MGC:27683 IMAGE:4913322, mRNA, complete cds, histone deacetylase 2 |
| 3712 | 17734 | NM_031970 | Q, R | | EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974 |
| 3712 | 17735 | NM_031970 | Q | | EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974 |

TABLE 3

| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 3712 | 17736 | NM_031970 | Q, R, BBB, CCC | | EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974 |
| 3829 | 15615 | NM_053800 | DDD | | EST, Weakly similar to Human Thioredoxin [H.sapiens], RIKEN cDNA 4930429J24 gene, thioredoxin, thioredoxin 1 |
| 3445 | 17100 | NM_022179 | F | | EST, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], ESTs, Moderately similar to HXK3_HUMAN HEXOKINASE TYPE III [H.sapiens], ESTs, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], hexokinase 2, hexokinase 3 (white cell) |
| 3445 | 17101 | NM_022179 | JJ, KK, FFF, HHH | | EST, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], ESTs, Moderately similar to HXK3_HUMAN HEXOKINASE TYPE III [H.sapiens], ESTs, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], hexokinase 2, hexokinase 3 (white cell) |
| 1723 | 9191 | AI072107 | A, B, OO, FFF, GGG, HHH, OOO, General Core Tox Markers | | EST, Weakly similar to I73674 chlordecone reductase homolog [H.sapiens], ESTs, Highly similar to 2008147B protein RAKc [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to DBDD_HUMAN TRANS-1,2-DIHYDROBENZENE-1,2-DIOL DEHYDROGENASE [H.sapiens], ESTs, Moderately similar to DBDD_HUMAN TRANS-1,2-DIHYDROBENZENE-1,2-DIOL DEHYDROGENASE [H.sapiens], ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], Homo sapiens truncated AKR mRNA for truncated aldo-keto reductase type B, partial cds, aldo-keto reductase family 1, member C4 (chlordecone reductase, 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4), hydroxysteroid (17-beta) dehydrogenase 5 |
| 1047 | 20827 | AA963185 | T | | EST, Weakly similar to I78885 serine/threonine-specific protein kinase [H.sapiens], ESTs, Highly similar to RS28_HUMAN 40S RIBOSOMAL PROTEIN S28 [H.sapiens], ESTs, Moderately similar to RS28_HUMAN 40S RIBOSOMAL PROTEIN S28 [M.musculus], RNA polymerase 1-1 (40 kDa subunit), ribosomal protein S28 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 480 | 17225 | AA891553 | General Core Tox Markers | | EST, Weakly similar to IF37 MOUSE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 7 [M.musculus]. eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67 kDa), eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD) |
| 1959 | 7414 | A1137586 | R | | EST, Weakly similar to IMB3_HUMAN IMPORTIN BETA-3 SUBUNIT [H.sapiens], Homo sapiens cDNA FLJ12978 fis, clone NT2RP2006321, RAN binding protein 6, importin 4 |
| 1176 | 26116 | AA998471 | D | | EST, Weakly similar to JC1365 FK506/rapamycin-binding protein FKBP13 precursor [H.sapiens], FK506 binding protein 7, FK506 binding protein precursor |
| 1176 | 26117 | AA998471 | F, HH | | EST, Weakly similar to JC1365 FK506/rapamycin-binding protein FKBP13 precursor [H.sapiens], FK506 binding protein 7, FK506 binding protein precursor |
| 46 | 20093 | AA799637 | UUU | | EST, Weakly similar to JC2324 LIM protein [H.sapiens], Homo sapiens cDNA FLJ13238 fis, clone OVARC1000440, RIKEN cDNA 2410002J21 gene, expressed sequence AV278559, expressed sequence AW123232, hypothetical protein FLJ10044, paxillin, transforming growth factor beta 1 induced transcript 1 |
| 4008 | 15239 | NM_139114 | M, V, FFF, General Core Tox Markers | | EST, Weakly similar to JC2369 ribosomal protein L15, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL15_HUMAN 60S RIBOSOMAL PROTEIN L15 [H.sapiens], Homo sapiens, clone MGC:2392 IMAGE:2961444, mRNA, complete cds, RIKEN cDNA 2510008H07 gene, ribosomal protein L15 |
| 3596 | 6348 | NM_031077 | PP, QQ | | EST, Weakly similar to JC5111 cyclin-dependent kinase-related protein 1b - rat [R.norvegicus], EST, Weakly similar to S10889 proline-rich protein [H.sapiens], ESTs, Highly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], ESTs, Weakly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], PCTAIRE protein kinase 1, PCTAIRE-motif protein kinase 1 |
| 2031 | 20503 | AI169779 | B, PPP, General Core Tox Markers | | EST, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 mouse [M.musculus], RIKEN cDNA 1700022M03 gene, expressed sequence AI060904, solute carrier family 21 (organic anion transporter), member 10, solute carrier family 21 (organic anion transporter), member 6 |

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|---------|-------------|---|---|---|
| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3664 | 20502 | NM_031650 | A, N | EST, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 mouse [M.musculus], RIKEN cDNA 1700022M03 gene, expressed sequence A1060904, solute carrier family 21 (organic anion transporter), member 10, solute carrier family 21 (organic anion transporter), member 6 |
| 434 | 16327 | AA875050 | DD, EE, JJ, OO, III, JJJ, OOO, General Core Tox Markers | EST, Weakly similar to KICE MOUSE CHOLINE/ETHANOLAMINE KINASE [M.musculus], RIKEN cDNA 4930555L11 gene, choline kinase-like, expressed sequence A197444, hypothetical protein FLJ10761 |
| 2319 | 6628 | A1178793 | GG | EST, Weakly similar to MAN2_HUMAN ALPHA-MANNOSIDASE II [H.sapiens], KIAA0935 protein, mannosidase 2, alpha 1, mannosidase 2, alpha B1, mannosidase 2, alpha B2, mannosidase, alpha, class 2A, member 2, mannosidase, alpha, class 2B, member 1 |
| 2982 | 17883 | M11851 | PP, QQ, III, JJJ | EST, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], ESTs, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], myosin light chain 2, precursor lymphocyte-specific, myosin light chain, phosphorylatable, cardiac ventricles, myosin, light polypeptide 2, regulatory, cardiac, slow, myosin, light polypeptide 5, regulatory |
| 473 | 18397 | AA891242 | KKK | EST, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], Rat heart myosin light chain 2 (MLC2) mRNA, 3' end, myosin light chain 2, precursor lymphocyte-specific, myosin light chain, phosphorylatable, cardiac ventricles, myosin, light polypeptide 2, regulatory, cardiac, slow |
| 455 | 24470 | AA875523 | GG | EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle |

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| Seq ID | CLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------------|----------------------------------|--|
| 669 | 24473 | AA894200 | Z, AA | | EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle |
| 669 | 24474 | AA894200 | GG | | EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle |
| 4077 | 24469 | S77858 | J, Q, R, GG, II, EEE, FFF, HHH, MMM | | EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle |
| 2476 | 12587 | A1229979 | V, III, JJJ, General Core Tox Markers | | EST, Weakly similar to MOT2_RAT Monocarboxylate transporter 2 (MCT 2) [R.norvegicus], ESTs, Weakly similar to MOT2 MOUSE MONOCARBOXYLATE TRANSPORTER 2 [M.musculus], ESTs, Weakly similar to MOT2_RAT Monocarboxylate transporter 2 (MCT 2) [R.norvegicus], ESTs, Weakly similar to MOT3_HUMAN MONOCARBOXYLATE TRANSPORTER 3 [H.sapiens], solute carrier family 16 (monocarboxylic acid transporters), member 6, solute carrier family 16 (monocarboxylic acid transporters), member 7 |
| 4114 | 1558 | U28504 | GG, JJJ, NNN | | EST, Weakly similar to NPT1_RAT RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 (SODIUM/PHOSPHATE COTRANSPORTER 1) (NA(+)/PI COTRANSPORTER 1) (RENAL SODIUM-PHOSPHATE TRANSPORT PROTEIN 1) (RENAL NA+-DEPENDENT PHOSPHATE COTRANSPORTER 1) [R.norvegicus], ESTs, Weakly similar to RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 [M.musculus], Mus musculus, Similar to solute carrier family 17 (sodium phosphate), member 2, clone MGC:19073 IMAGE:4193755, mRNA, complete cds, expressed sequence AW261723, solute carrier family 17 (sodium phosphate), member 1, solute carrier family 17 (sodium phosphate), member 2, solute carrier family 17 (sodium phosphate), member 3, solute carrier family 17 (sodium phosphate), member 4, solute carrier family 17 vesicular glutamate transporter), member 1 |

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|---------|-------------|---|--|
| Seq ID | GLGG ID No. | Genbank Accor. RefSeq ID | Human Homologous Known Gene Name |
| | | Model Code | Human Homologous Sequence Cluster Title |
| 4114 | 1559 | U28504 | EST, Weakly similar to NPT1_RAT RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 (SODIUM/PHOSPHATE COTRANSPORTER 1) (NA(+)/PI COTRANSPORTER 1) (RENAL SODIUM-PHOSPHATE TRANSPORT PROTEIN 1) (RENAL NA+-DEPENDENT PHOSPHATE COTRANSPORTER 1) [R.norvegicus]. ESTs, Weakly similar to RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 [M.musculus], Mus musculus, Similar to solute carrier family 17 (sodium phosphate), member 2, clone MGC:19073 IMAGE:4193755, mRNA, complete cds, expressed sequence AW261723, solute carrier family 17 (sodium phosphate), member 1, solute carrier family 17 (sodium phosphate), member 2, solute carrier family 17 (sodium phosphate), member 3, solute carrier family 17 (sodium phosphate), member 4, solute carrier family 17 vesicular glutamate transporter), member 1 |
| 393 | 14138 | AA859700 | EST, Weakly similar to PPOX MOUSE PROTOPORPHYRINOGEN OXIDASE [M.musculus], protoporphyrinogen oxidase |
| 393 | 14139 | AA859700 | EST, Weakly similar to PPOX MOUSE PROTOPORPHYRINOGEN OXIDASE [M.musculus], protoporphyrinogen oxidase |
| 3797 | 20842 | NM_053590 | EST, Weakly similar to PRC5 MOUSE PROTEASOME COMPONENT C5 [M.musculus], ESTs, Weakly similar to PRC5 MOUSE PROTEASOME COMPONENT C5 [M.musculus], [M.musculus], proteasome (prosome, macropain) subunit, beta type 1, proteasome (prosome, macropain) subunit, beta type, 1 |
| 139 | 2109 | AA817887 | EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus]. EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], Mkt1 protein, profilin 1 |
| 2626 | 3073 | A1233494 | EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1 |
| 2626 | 3074 | A1233494 | EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1 |

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| Seq ID | GLCG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------------|----------------------------------|---|
| 2626 | 3075 | A1233494 | F, JJ | | EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1 |
| 3915 | 17413 | NM_080909 | T | | EST, Weakly similar to PRP2 MOUSE PROLINE-RICH PROTEIN MP-2 PRECURSOR [M.musculus], ESTs, Weakly similar to PRP2 MOUSE PROLINE-RICH PROTEIN MP-2 PRECURSOR [M.musculus], ESTs, Weakly similar to T2D3_HUMAN TRANSCRIPTION PRECURSOR [M.musculus], ESTs, Weakly similar to T2D3_HUMAN TRANSCRIPTION INITIATION FACTOR TFIIID 135 KDA SUBUNIT [H.sapiens], Mus musculus brain cDNA, clone MNCb-3966, RIKEN cDNA 1110020C13 gene, TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135 kD, hypothetical protein FLJ20152, proline rich protein, reticulon 3 |
| 2868 | 2578 | D50694 | S, BBB, CCC, GGG | | EST, Weakly similar to PRS7 MOUSE 26S PROTEASE REGULATORY SUBUNIT 7 [M.musculus], RIKEN cDNA 2300001E01 gene, proteasome (prosome, macropain) 26S subunit, ATPase 2, syntaxin 8 |
| 3735 | 2577 | NM_033236 | R, VV | | EST, Weakly similar to PRS7 MOUSE 26S PROTEASE REGULATORY SUBUNIT 7 [M.musculus], RIKEN cDNA 2300001E01 gene, proteasome (prosome, macropain) 26S subunit, ATPase 2, syntaxin 8 |
| 1199 | 1291 | AB000491 | H, S | | EST, Weakly similar to PRS8 MOUSE 26S PROTEASE REGULATORY SUBUNIT 8 [M.musculus], Homo sapiens mRNA; cDNA DKFZp586i1420 (from clone DKFZp586i1420); partial cds, YME1-like 1 (S. cerevisiae), hypothetical protein DKFZp667C165, protease (prosome, macropain) 26S subunit, ATPase 5, proteasome (prosome, macropain) 26S subunit, ATPase, 5, proteasome (prosome, macropain) 26S subunit, ATPase, 6 |
| 3627 | 18375 | NM_031331 | G, H, S | | EST, Weakly similar to PSD4_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S5A [H.sapiens], proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 |
| 3627 | 18376 | NM_031331 | SS | | EST, Weakly similar to PSD4_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S5A [H.sapiens], proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 921 | 24521 | AA945636 | DDD | | EST, Weakly similar to R6HUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Highly similar to R6HUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Weakly similar to RLA1 MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P1 [M.musculus], expressed sequence A1255964, ribosomal protein, large, P1 |
| 3511 | 19375 | NM_022699 | AA | | EST, Weakly similar to R6RT30 ribosomal protein L30, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to S45004 ribosomal protein L30, cytosolic [H.sapiens], ESTs, Highly similar to S45004 ribosomal protein L30, cytosolic [H.sapiens], ESTs, Moderately similar to S45004 ribosomal protein L30, cytosolic [H.sapiens] |
| 3599 | 15201 | NM_031093 | F | | EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens], ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-rat simian leukemia viral oncogene homolog A (ras related) |
| 3599 | 15202 | NM_031093 | V, LL, WW G, H, CC, DDD, GGG, HHH, General Core Tox Markers | | EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens], ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-rat simian leukemia viral oncogene homolog A (ras related) |
| 4216 | 18606 | X53504 | | | EST, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ESTs, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ribosomal protein L12 |
| 4202 | 19244 | X15013 | G, H, JJJ | | EST, Weakly similar to RL7A MOUSE 60S RIBOSOMAL PROTEIN L7A [M.musculus], RIKEN cDNA 4632404N19 gene, ribosomal protein L7a |

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| Seq ID | GLCC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--------------|----------------------------------|--|
| 218 | 17097 | AA819501 | F, II | | EST, Weakly similar to RS27_HUMAN 40S RIBOSOMAL PROTEIN S27 [H.sapiens], ESTs, Highly similar to RS27_HUMAN 40S RIBOSOMAL PROTEIN S27 [H.sapiens], ESTs, Moderately similar to RS27_HUMAN 40S RIBOSOMAL PROTEIN S27 [H.sapiens], RIKEN cDNA 3200001M24 gene, ribosomal protein S27-like |
| 3706 | 10947 | NM_031839 | PP, QQ | | EST, Weakly similar to S13101 cytochrome P450 c117 - rat [R.norvegicus], Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, subfamily I1C (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AW107714 |
| 3706 | 10949 | NM_031839 | FF, EEE, MMM | | EST, Weakly similar to S13101 cytochrome P450 c117 - rat [R.norvegicus], Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, subfamily I1C (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AW107714 |
| 3738 | 24419 | NM_033539 | Y | | EST, Weakly similar to S21055 translation elongation factor eEF-1 alpha chain - rat [R.norvegicus], ESTs, Highly similar to EFHU1 translation elongation factor eEF-1 alpha-1 chain [H.sapiens], ESTs, Weakly similar to S21055 translation elongation factor eEF-1 alpha chain - rat [R.norvegicus], G1 to S phase transition 1, G1 to phase transition 1, G1 to phase transition 2, eukaryotic translation elongation factor 1 alpha 1 |
| 2467 | 23573 | AI229595 | D | | EST, Weakly similar to S21055 translation elongation factor eEF-1 alpha chain - rat [R.norvegicus], ESTs, Highly similar to EFHU1 translation elongation factor eEF-1 alpha-1 chain [H.sapiens], G1 to phase transition 1, eukaryotic translation elongation factor 1 alpha 1 |
| 1383 | 23768 | AI011709 | Y | | EST, Weakly similar to S21977 Pm5 protein [H.sapiens], Homo sapiens cDNA: FLJ23491 fis, clone LNG00825, highly similar to HSPM5 Human mRNA for pM5 protein, pM5 protein |

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| Seq ID | CLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------|----------------------------------|---|
| 1721 | 3912 | A1072035 | Z, AA | | EST, Weakly similar to S37583 RING finger protein rfp - mouse [M.musculus], ESTs, Moderately similar to JE0343 terf protein - rat [R.norvegicus], ESTs, Weakly similar to JE0343 terf protein - rat [R.norvegicus], Homo sapiens, clone IMAGE:3678120, mRNA, partial cds, RIKEN cDNA 1810012B10 gene, expressed sequence AW538890, gene overexpressed in astrocytoma, hypothetical protein FLJ22612, hypothetical protein MGC13061, ring finger protein 27, tripartite motif protein 17, tripartite motif-containing 17 |
| 2165 | 6678 | A1175454 | Q, R | | EST, Weakly similar to S44204 procollagen-proline dioxygenase (EC 1.14.11.2) alpha chain - rat [R.norvegicus], ESTs, Weakly similar to DAHUA2 procollagen-proline dioxygenase [H.sapiens], Homo sapiens, clone IMAGE:3162218, mRNA, partial cds, hypothetical protein FLJ20262 |
| 8 | 6050 | AA686190 | N, V | | EST, Weakly similar to S49326 nascent polypeptide-associated complex alpha chain [H.sapiens], EST, Weakly similar to T30827 nascent polypeptide-associated complex alpha chain, non-muscle splice form - mouse [M.musculus], FKSG17, KIAA0363 protein, expressed sequence AL022831, nascent-polypeptide-associated complex alpha polypeptide |
| 1802 | 11953 | A1102505 | ILL | | EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIIa, heme-regulated initiation factor 2-alpha kinase |
| 1802 | 11954 | A1102505 | F, LL, RRR, UUU | | EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIIa, heme-regulated initiation factor 2-alpha kinase |
| 2978 | 11955 | L48209 | F | | EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIIa, heme-regulated initiation factor 2-alpha kinase |
| 3008 | 11956 | M28255 | ILL | | EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIIa, heme-regulated initiation factor 2-alpha kinase |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 3481 | 8097 | NM_022536 | BB, CC | | EST, Weakly similar to secreted cyclophilin-like protein [H.sapiens], ESTs, Weakly similar to cyclophilin B [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3732410E19 gene, peptidylprolyl isomerase (cyclophilin)-like 1, peptidylprolyl isomerase B, peptidylprolyl isomerase B (cyclophilin B), peptidylprolyl isomerase C, peptidylprolyl isomerase C (cyclophilin C) |
| 2300 | 6502 | A1178283 | XX | | EST, Weakly similar to SYFB_MOUSE PHENYLALANYL-TRNA SYNTHETASE BETA CHAIN (PHENYLALANINE--TRNA LIGASE BETA CHAIN) (PHERS) [M.musculus]. Homo sapiens cDNA FLJ30727 fis, clone FEBRA2000007, highly similar to Homo sapiens putative phenylalanyl-tRNA synthetase beta-subunit mRNA, KIAA1185 protein, RIKEN cDNA 2900010D03 gene, expressed sequence C76708, phenylalanine-tRNA synthetase-like, phenylalanyl-tRNA synthetase beta-subunit |
| 1376 | 24022 | A1011474 | DDD | | EST, Weakly similar to T00637 hypothetical protein H_GS541B18.1 [H.sapiens], golgi phosphoprotein 2 |
| 1084 | 24166 | AA964630 | WW | | EST, Weakly similar to T02345 hypothetical protein KIAA0324 [H.sapiens], ESTs, Weakly similar to T02345 hypothetical protein KIAA0324 [H.sapiens], Homo sapiens cDNA FLJ31094 fis, clone IMR321000165, polymerase I and transcript release factor, serine/arginine repetitive matrix 2 |
| 3119 | 18718 | NM_012695 | X, Y | | EST, Weakly similar to T10086 alcohol sulfotransferase (EC 2.8.2.2) - mouse [M.musculus], ESTs, Weakly similar to SUH2_RAT Probable alcohol sulfotransferase (Hydroxysteroid sulfotransferase) (ST) (Senescence marker protein 2) (SMP-2) (Androgen-repressible liver protein) (Dehydroepiandrosterone sulfotransferase) (DST) [R.norvegicus], RIKEN cDNA 2810007J24 gene, sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA) -preferring, member 1, sulfotransferase family, cytosolic, 2B, member 1, sulfotransferase, hydroxysteroid preferring 2 |
| 1036 | 22358 | AA957624 | T, V | | EST, Weakly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens]. ESTs, Highly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens], PAI 1 mRNA-binding protein, RIKEN cDNA 120009K13 gene, intracellular hyaluronan-binding protein |

TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------------------|----------------------------------|--|
| 743 | 4942 | AA924396 | Q, R | | EST, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens], ESTs, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens] |
| 9 | 21815 | AA686423 | RRR, UUU | | EST, Weakly similar to T46390 hypothetical protein DKFZp434C1920.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59 |
| 1142 | 21812 | AA997588 | CCC | | EST, Weakly similar to T46390 hypothetical protein DKFZp434C1920.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59 |
| 3461 | 17158 | NM_022298 | O, P | | EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous |
| 3461 | 17161 | NM_022298 | V, XX, YY | | EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous |
| 411 | 13974 | AA860030 | O, P, VV | | EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta, 2, tubulin, beta, 5 |
| 1208 | 13973 | AB011679 | O, P | | EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta, 2, tubulin, beta, 5 |
| 1005 | 11050 | AA956164 | HHH, General Alternate | | EST, Weakly similar to TCPE MOUSE T-COMPLEX PROTEIN 1, EPSILON SUBUNIT [M.musculus], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 5 (epsilon), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 5 (epsilon), chaperonin subunit 7 (eta), t-complex protein 1 |
| 1700 | 9604 | A1071230 | JJ, KK | | EST, Weakly similar to TESTIN 2 [M.musculus], Homo sapiens cDNA FLJ31627 fis, clone NT2R12003338, Homo sapiens cDNA FLJ31929 fis, clone NT2RP7006160 |

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Document No. 1935828.1

TABLE 3

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|--|
| 778 | 23159 | AA925318 | General Alternate | | EST, Weakly similar to TR19_HUMAN THYROID RECEPTOR INTERACTING PROTEIN 9 [H.sapiens], nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta, nuclear factor of kappa light polypeptide gene enhancer in B-cells |
| 1565 | 6941 | A1044892 | DDD, LLL | | EST, Weakly similar to TVHUF protein-tyrosine kinase [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586L1121 (from clone DKFZp586L1121), fer (fms/fps related) protein kinase, testis specific 2 |
| 672 | 15274 | AA894258 | L, HH | | EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) |
| 704 | 15275 | AA900187 | D | | EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) |
| 3621 | 15273 | NM_031237 | PPP, QQQ | | EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) |
| 278 | 21310 | AA850055 | E | | EST, Weakly similar to VLCS_HUMAN VERY-LONG-CHAIN ACYL-COA SYNTHETASE [H.sapiens], Homo sapiens cDNA FLJ23784 fis, clone HEP21238, VLCS H1 protein, fatty-acid-Coenzyme A ligase, very long-chain 1, hypothetical protein MGC4365, solute carrier family 27 (fatty acid transporter), member 2, solute carrier family 27 (fatty acid transporter), member 3 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------|----------------------------------|--|
| 1280 | 949 | A1008687 | WW | | EST, Weakly similar to WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG [M.musculus], ESTs, Highly similar to WASL_RAT Neural Wiskott-Aldrich syndrome protein (N-WASP) [R.norvegicus], ESTs, Weakly similar to WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG [M.musculus], Homo sapiens, clone MGC:24665 IMAGE:4252688, mRNA, complete cds, RIKEN cDNA 2600017H02 gene, RIKEN cDNA 4930474A20 gene, RIKEN cDNA 4930487N19 gene, Wiskott-Aldrich syndrome homolog (human), Wiskott-Aldrich syndrome-like, Wiskott-Aldrich syndrome-like (human), expressed sequence AA960202, fragile X mental retardation 1, hypothetical protein FLJ10159, hypothetical protein MGC12679, leukocyte receptor cluster (LRC) member 3 |
| 2606 | 13377 | A1233056 | SS | | EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Moderately similar to I37961 zinc finger protein kox21 [H.sapiens], ESTs, Moderately similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], ESTs, Weakly similar to Z232_HUMAN ZINC FINGER PROTEIN 232 [H.sapiens], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], Mus musculus, Similar to zinc finger protein 85 (HPF4, HTF1), clone MGC:28872 IMAGE:4527362, mRNA, complete cds, hypothetical protein MGC13250, zinc finger protein 232, zinc finger protein 37, zinc finger protein 37 homolog (mouse), zinc finger protein 93 |
| 4129 | 1623 | U41164 | N | | EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Weakly similar to ZF29_MOUSE ZINC FINGER PROTEIN 29 [M.musculus], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], expressed sequence AW557864, zinc finger protein 29, zinc finger protein 37, zinc finger protein 37 homolog (mouse) |
| 1839 | 2961 | A1103415 | DD, EE, PP, QQ | | EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to MLZ4_MOUSE ZINC FINGER PROTEIN MLZ-4 [M.musculus], RIKEN cDNA 2500002G23 gene, Rattus norvegicus zinc finger protein Y1 (RLZF-Y) mRNA, complete cds, zinc finger protein 99 |

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| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|--|
| 2697 | 14740 | A1235511 | Z, AA | | EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to S47072 finger protein HZF10, Krueppel-related [H.sapiens], ESTs, Weakly similar to TC17 MOUSE TRANSCRIPTION FACTOR 17 [M.musculus], Rattus norvegicus zinc finger protein Y1 (RLZF-Y) mRNA, complete cds, hypermethylated in cancer 2, zinc finger protein 354A, zinc finger protein 99 |
| 4025 | 16345 | NM_145724 | RR | | EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to ZF94_MOUSE ZINC FINGER PROTEIN 94 (ZFP-94) [M.musculus], ESTs, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], Homo sapiens cDNA FLJ30551 fis, clone BRAWH2001503, KIAA0426 gene product, hypothetical protein FLJ12298, zinc finger protein 99 |
| 2887 | 930 | E12159 | RR | | ESTs, Highly similar to 130kDa-Ins(1,4,5)P3 binding protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 130kDa-Ins(1,4,5)P3 binding protein [Rattus norvegicus] [R.norvegicus], phospholipase C, delta, phospholipase C-like 1, phospholipase C-like 2 |
| 3812 | 24204 | NM_053670 | C, UU | | ESTs, Highly similar to calcitonin gene-related peptide-receptor component protein [Homo sapiens] [H.sapiens], calcitonin gene-related peptide-receptor component protein [Homo sapiens] [H.sapiens] |
| 2170 | 18507 | A1175551 | Alternate | | ESTs, Highly similar to eukaryotic translation elongation factor 1 beta 2; eukaryotic translation elongation factor 1 beta 1 [Homo sapiens] [H.sapiens], eukaryotic translation elongation factor 1 beta 2 |
| 24 | 15303 | AA799518 | Q, R | | ESTs, Highly similar to hypothetical protein FLJ13725; KIAA1930 protein [Homo sapiens] [H.sapiens] |

TABLE 3

| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------------|----------------------------------|--|
| 36 | 16576 | AA799570 | Q, R | | ESTs, Highly similar to hypothetical protein FLJ13725; KIAA1930 protein [Homo sapiens] [H.sapiens] |
| 1886 | 18742 | A1105131 | U, FF, LL, XX, BBB, RRR, SSS, UUU | | ESTs, Highly similar to lung alpha/beta hydrolase 1; alpha/beta hydrolase-1 [Mus musculus] [M.musculus], lung alpha/beta hydrolase 1, lung alpha/beta hydrolase 3 [H.sapiens], ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to KIAA0952 protein, clone MGC:25591 IMAGE:4011475, mRNA, complete cds, RIKEN cDNA 2700038B03 gene, kelch-like ECH-associated protein 1 |
| 30 | 17599 | AA799539 | Q, R | | ESTs, Highly similar to lymphocyte activation-associated protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to KIAA0952 protein, clone MGC:25591 IMAGE:4011475, mRNA, complete cds, RIKEN cDNA 2700038B03 gene, kelch-like ECH-associated protein 1 |
| 1145 | 13330 | AA997716 | X, Y | | ESTs, Highly similar to MAP-kinase activating death domain; Rab3 GDP/GTP exchange protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MAP-kinase activating death domain; Rab3 GDP/GTP exchange protein [Rattus norvegicus] [R.norvegicus], MAP-kinase activating death domain, Mus musculus, Similar to MAP-kinase activating death domain, clone MGC:7838 IMAGE:3500720, mRNA, complete cds, RIKEN cDNA 2010004M01 gene, suppression of tumorigenicity 5 |
| 258 | 21171 | AA848979 | D | | ESTs, Highly similar to metastasis associated 1 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to metastasis associated 1 [Rattus norvegicus] [R.norvegicus], KIAA1266 protein, KIAA1610 protein, metastasis associated 1, metastasis associated 3 |
| 1818 | 4898 | A1102879 | Q, R | | |

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| Seq ID | GLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------|----------------------------------|--|
| 3045 | 1991 | M83196 | UU | | ESTs, Highly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MAPA_MOUSE Microtubule-associated protein 1A (MAP 1A) [M.musculus], chromatin assembly factor 1, subunit A (p150), expressed sequence A1853608, microtubule-associated protein 1A ESTs, Highly similar to neuronal protein 17.3; similar to mouse neuronal protein 15.6 [Homo sapiens] [H.sapiens], nuclear protein 15.6 |
| 650 | 16912 | AA893690 | I, J, Z, AA, LL | | ESTs, Highly similar to neuronal protein 17.3; similar to mouse neuronal protein 15.6 [Homo sapiens] [H.sapiens], nuclear protein 15.6 |
| 2413 | 16913 | A1228236 | QQQ | | ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], NF-E2-related factor 2, nuclear factor (erythroid-derived 2)-like 1, nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2,-like 1, nuclear, factor, erythroid derived 2, like 2 |
| 2328 | 17890 | A1179123 | AA | | ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2 |
| 2258 | 1169 | A1177161 | GG, HH, II, FFF, KKK | | ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2 |
| 2258 | 1170 | A1177161 | J, GG, HH, KKK | | ESTs, Highly similar to phosphoribosylpyrophosphate synthetase-associated protein (39 kDa) [Rattus norvegicus] [R.norvegicus], Mus musculus, phosphoribosyl pyrophosphate synthetase-associated protein 2, clone MGC:36957 IMAGE:4947226, mRNA, complete cds, RIKEN cDNA 261010M19 gene, RIKEN cDNA 5730409F23 gene, phosphoribosyl pyrophosphate synthetase-associated protein 1 |
| 3488 | 12192 | NM_022545 | M, HH | | |

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| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--|----------------------------------|---|
| 3488 | 12193 | NM_022545 | M, EE | | ESTs, Highly similar to phosphoribosylpyrophosphate synthetase-associated protein (39 kDa) [Rattus norvegicus] [R.norvegicus], Mus musculus, phosphoribosyl pyrophosphate synthetase-associated protein 2, clone MGC:36957 IMAGE:4947226, mRNA, complete cds, RIKEN cDNA 2610101M19 gene, RIKEN cDNA 5730409F23 gene, phosphoribosyl pyrophosphate synthetase-associated protein 1 |
| 431 | 16215 | AA874999 | I, FF | | ESTs, Highly similar to protein translocation complex beta; protein transport protein SEC61 beta subunit [Homo sapiens] [H.sapiens], protein translocation complex beta |
| 1926 | 4969 | A1113008 | V, BB, EEE, III, JJJ, MMM | | ESTs, Highly similar to proteoglycan 3 (megakaryocyte stimulating factor, articular superficial zone protein) [Mus musculus], proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein), proteoglycan 4, (megakaryocyte stimulating factor, articular superficial zone protein, campptodactyly, arthropathy, coxa vara, pericarditis syndrome), vitronectin |
| 720 | 16465 | AA901042 | OOO, General Core Tox Markers, General Alternate | | ESTs, Highly similar to RAN binding protein 16 [Mus musculus] [M.musculus], ESTs, Moderately similar to RAN binding protein 16 [Homo sapiens] [H.sapiens], RAN binding protein 16 |
| 2591 | 14070 | A1232649 | FF | | ESTs, Highly similar to ribosomal protein S27a [Mus musculus] [M.musculus], ESTs, Highly similar to ubiquitin / ribosomal protein S27a [H.sapiens], Mus musculus, Similar to ubiquitin-like 4, clone MGC:19132 IMAGE:4215699, mRNA, complete cds, ribosomal protein S27a |
| 3881 | 23307 | NM_057119 | HHH | | ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexaribonucleotide binding protein 3 (Hrnp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila) |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3881 | 23309 | NM_057119 | VV | | ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexaribonucleotide binding protein 3 (Hrnbp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila) |
| 3501 | 12542 | NM_022647 | A, B | | ESTs, Highly similar to 0506206A histone H2B [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to I48401 histone H2b - mouse [M.musculus], H2B histone family, member A, H2B histone family, member D, H2B histone family, member G, H2B histone family, member K, Mus musculus, Similar to H2B histone family, member J, clone MGC:29103 IMAGE:5003093, mRNA, complete cds |
| 1409 | 2250 | A1012354 | Q, R | | ESTs, Highly similar to 0506206A histone H2B [Rattus norvegicus] [R.norvegicus], H2B histone family, member A, H2B histone family, member B, H2B histone family, member D, H2B histone family, member G, H2B histone family, member H, H2B histone family, member K, histone family member |
| 2828 | 20082 | A1639488 | F, II, VV | | ESTs, Highly similar to 1814460A p53-associated protein [H.sapiens], Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse), transformed mouse 3T3 cell double minute 2 |
| 128 | 5934 | AA817695 | A, I, J, FFF, OOO, General Core Tox Markers | | ESTs, Highly similar to 2008147A protein RAKb [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to 2008147A protein RAKb [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C12, aldo-keto reductase family 1, member C13 |
| 2620 | 23296 | A1233316 | X, Y, LLL, UUU | | ESTs, Highly similar to 40S RIBOSOMAL PROTEIN S23 [H.sapiens], Mus musculus, Similar to mitochondrial ribosomal protein S12, clone MGC:13892 IMAGE:4209358, mRNA, complete cds, mitochondrial ribosomal protein S12, ribosomal protein S23 |

TABLE 3 Attorney Docket 44921-5038-01WO Document No. 1935328.1

| Seq ID | CLGG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|---|
| 371 | 14124 | AA859305 | VV, HHH | | ESTs, Highly similar to A25530 tropomyosin, fibroblast [H.sapiens], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus] |
| 3893 | 14125 | NM_057208 | VV | | ESTs, Highly similar to A25530 tropomyosin, fibroblast [H.sapiens], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus] |
| 1254 | 8368 | A1007808 | DD, EE | | ESTs, Highly similar to A37056 AMP deaminase (EC 3.5.4.6), brain - rat (fragment) [R.norvegicus], Homo sapiens cDNA: FLJ22545 fis, clone HSI00239, RIKEN cDNA 1200014F01 gene, adenosine monophosphate deaminase 2 (isoform L), expressed sequence A1553520 |
| 3346 | 20848 | NM_017343 | A, B, P | | ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD) |
| 3346 | 20849 | NM_017343 | A, TT | | ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD) |
| 3870 | 16964 | NM_053999 | Q, R | | ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform |
| 3870 | 16965 | NM_053999 | Q, R | | ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform |
| 4037 | 16969 | NM_147215 | O, P | | ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform |

| TABLE 3 | | | | | | |
|---------|-------------|-------------------------|--|----------------------------------|---|--|
| Seq ID | GLGG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| 3044 | 4198 | M83143 | F, S, U, BB, CC, TT, III, JJJ, LLL, OOO, SSS, UUU, General Alternate | | ESTs, Highly similar to A41734 beta-galactoside alpha-2,6-sialyltransferase [H.sapiens], sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase), sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase) | |
| 3044 | 4199 | M83143 | E, F, G, U, LL, CCC, LLL, RRR, SSS, UUU | | ESTs, Highly similar to A41734 beta-galactoside alpha-2,6-sialyltransferase [H.sapiens], sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase), sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase) | |
| 3877 | 17709 | NM_057101 | E, J, W, UU, III, JJJ, KKK, NNN | | ESTs, Highly similar to A45445 janusin precursor, long form - rat [R.norvegicus], ESTs, Weakly similar to JQ1322 tenascin precursor - mouse [M.musculus], Tenascin-R (Restrictin, janusin, J1-160/180), tenascin R (restrictin, janusin), tenascin XB | |
| 3101 | 18726 | NM_012645 | F, M, DDD, LLL, RRR, UUU, General Alternate | | ESTs, Highly similar to A45840 MHC class I histocompatibility antigen RT-BM1 alpha chain - rat (fragment) [R.norvegicus], Homo sapiens, clone IMAGE:4694038, mRNA, partial cds, histocompatibility 2, T region locus 23 | |
| 3425 | 18724 | NM_021585 | F | | ESTs, Highly similar to A45840 MHC class I histocompatibility antigen RT-BM1 alpha chain - rat (fragment) [R.norvegicus], Homo sapiens, clone IMAGE:4694038, mRNA, partial cds, histocompatibility 2, T region locus 23 | |
| 4001 | 16444 | NM_139096 | O, P, UU, VV | | ESTs, Highly similar to A53202 cyclophilin C-associated protein MAMA/CyCAP precursor - mouse [M.musculus], ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to A47161 Mac-2-binding glycoprotein precursor [H.sapiens], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], KIAA1822 protein, RIKEN cDNA 1110004B06 gene, RIKEN cDNA 1500005102 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein | |

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TABLE 3 Attorney Docket 44921-5033-01WO Document No. 1935323.1

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------|----------------------------------|--|
| 415 | 15884 | AA866276 | O, P, PP | | ESTs, Highly similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], ESTs, Moderately similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], Homo sapiens cDNA: FLJ21699 fis, clone COL09829, KIAA0303 protein, KIAA0561 protein, KIAA0807 protein, Mus musculus adult male cecum cDNA, RIKEN full-length enriched library, clone:9130026D18:syntrophin associated serine/threonine kinase, full insert sequence, microtubule associated testis specific serine/threonine protein kinase, syntrophin associated serine/threonine kinase |
| 2971 | 1791 | L28801 | RR, OOO | | ESTs, Highly similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], ESTs, Moderately similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], ESTs, Weakly similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], general transcription factor III C 1, general transcription factor IliC, polypeptide 1 (alpha subunit, 220kD) |
| 2013 | 23427 | AI169321 | U, BBB, CCC | | ESTs, Highly similar to ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR [M.musculus], acetyl-Coenzyme A dehydrogenase, medium chain, acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain, expressed sequence A1266902, expressed sequence D17825, glutaryl-Coenzyme A dehydrogenase, hypothetical protein FLJ12592 |
| 3526 | 20681 | NM_022952 | G, H | | ESTs, Highly similar to AP19_HUMAN CLATHRIN COAT ASSEMBLY PROTEIN AP19 [H.sapiens], ESTs, Highly similar to clathrin-associated protein AP17 delta [H.sapiens], ESTs, Weakly similar to A2S1_MOUSE Clathrin coat assembly protein AP17 (Clathrin coat associated protein AP17) (Plasma membrane adaptor AP-2 17 kDa protein) (HA2 17 kDa subunit) (Clathrin assembly protein 2 small chain) [R.norvegicus], Homo sapiens, clone MGC:17284 IMAGE:4340257, mRNA, complete cds, adaptor-related protein complex 2, sigma 1 subunit, expressed sequence A1043088 |
| 915 | 22606 | AA945580 | VV | | ESTs, Highly similar to ARG2_RAT Arginase II, mitochondrial precursor (Non-hepatic arginase) (Kidney-type arginase) [R.norvegicus], RIKEN cDNA 5033405N08 gene, agmatine ureohydrolase (agmatinase), arginase type II, arginase, type II |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 915 | 22607 | AA945580 | VV | | ESTs, Highly similar to ARG2_RAT Arginase II, mitochondrial precursor (Non-hepatic arginase) (Kidney-type arginase) [R.norvegicus], RIKEN cDNA 5033405N08 gene, argmatine ureohydrolase (agmatinase), arginase type II, arginase, type II |
| 3391 | 17507 | NM_019299 | A, B, TT | | ESTs, Highly similar to B Chain B, Peptide-In-Groove Interactions Link Target Proteins To The B-Propeller Of Clathrin [R.norvegicus], RIKEN cDNA 1700034F02 gene, clathrin, heavy polypeptide (Hc), clathrin, heavy polypeptide-like 1, expressed sequence R74732 |
| 3289 | 18925 | NM_017147 | Z, AA, HH | | ESTs, Highly similar to BMHU6 bone morphogenetic protein 6 precursor [H.sapiens], ESTs, Moderately similar to S37618 vgr protein - rat (fragment) [R.norvegicus], bone morphogenetic protein 5, bone morphogenetic protein 6, bone morphogenetic protein 7, bone morphogenetic protein 7 (osteogenic protein 1), bone morphogenetic protein 8 (osteogenic protein 2) |
| 2141 | 21564 | A1172301 | E | | ESTs, Highly similar to C Chain C, Structure Of A Cbl-Ubch7 Complex: Ring Domain Function In Ubiquitin-Protein Ligases [H.sapiens], ESTs, Weakly similar to ubiquitin-conjugating enzyme E2D 2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700013N18 gene, ubiquitin-conjugating enzyme 8, ubiquitin-conjugating enzyme E2D 2, ubiquitin-conjugating enzyme E2L 3, ubiquitin-conjugating enzyme E2L 6 |
| 2203 | 20001 | A1176396 | LL | | ESTs, Highly similar to C560_HUMAN SUCCINATE DEHYDROGENASE CYTOCHROME B560 SUBUNIT, MITOCHONDRIAL PRECURSOR [H.sapiens] |
| 3780 | 19205 | NM_053522 | Q, R | | ESTs, Highly similar to Cdc42 From Human, Nmr, 20 Structures [H.sapiens], Mus musculus mRNA for small GTPase Tc10, complete cds, cell division cycle 42 (GTP binding protein, 25kD), cell division cycle 42 homolog (S. cerevisiae), ras homolog gene family, member J, ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) |

| TABLE 3 | | | | |
|---------|-------------|-------------------------|----------------------|---|
| Seq ID | GLCC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 3451 | 20385 | NM_022229 | G, H, S, T, U | Human Homologous Sequence Cluster Title ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa |
| 4160 | 20386 | U68562 | Q, R, S, T, BBB, CCC | ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa |
| 993 | 12426 | AA955760 | YY | ESTs, Highly similar to CIA1_HUMAN WD40-REPEAT CONTAINING PROTEIN CIAO 1 [H.sapiens], ESTs, Weakly similar to LIS1_MOUSE Platelet-activating factor acetylhydrolase IB alpha subunit (PAF acetylhydrolase 45 kDa subunit) (PAF-AH 45 kDa subunit) (PAF-AH alpha) (PAFAH alpha) (Lissencephaly-1 protein) (LIS-1) [R.norvegicus], F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila), Homo sapiens cDNA FLJ31861 fis, clone NT2RP7001319, Homo sapiens, clone MGC:4710 IMAGE:3534806, mRNA, complete cds, Mus musculus F-box-WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, Mus musculus, Similar to RIKEN cDNA 1500041N16 gene, clone MGC:12066 IMAGE:3708188, mRNA, complete cds, nuclear receptor co-repressor/HDAC3 complex subunit, platelet-activating factor acetylhydrolase beta subunit (PAF-AH beta), platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit, platelet-activating factor acetylhydrolase, isoform lb, alpha subunit (45kD), transducin (beta)-like 1 |
| 3926 | 18846 | NM_130755 | F | ESTs, Highly similar to citrate synthase [H.sapiens], RIKEN cDNA 1700007H16 gene, citrate synthase |

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TABLE 3 Attorney Docket 44921-5038-01WG Document No. 1933828.1

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 2734 | 17571 | A1236484 | XX, YY | | ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to ROA3_HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A3 [H.sapiens], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1, heterogeneous nuclear ribonucleoprotein A3, hypothetical protein 23851 |
| 23 | 17613 | AA799511 | B, JJ, WW, DDD, HHH, General Alternate | | ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H.sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1 |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------------------------|----------------------------------|--|
| 240 | 17614 | AA848306 | SS | | ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H.sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1 |
| 3850 | 15718 | NM_053907 | HH, General Alternate | | ESTs, Highly similar to DRNG_HUMAN DEOXYRIBONUCLEASE GAMMA PRECURSOR [H.sapiens], RIKEN cDNA 2310005K03 gene, deoxyribonuclease 1-like 3, deoxyribonuclease I-like 1, deoxyribonuclease I-like 3 |
| 2105 | 6582 | A1171726 | Z, OOO | | ESTs, Highly similar to ERR3_HUMAN ESTROGEN-RELATED RECEPTOR GAMMA [H.sapiens], estrogen related receptor, alpha, estrogen-related receptor alpha, estrogen-related receptor gamma |
| 1426 | 2242 | A1012635 | L, O, P, UU, KKK, General Alternate | | ESTs, Highly similar to FMO3_HUMAN DIMETHYLANILINE MONOOXYGENASE [H.sapiens], ESTs, Weakly similar to FMO3_HUMAN DIMETHYLANILINE MONOOXYGENASE [H.sapiens], Mus musculus flavin-containing monooxygenase 4 mRNA, complete cds, flavin containing monooxygenase 2, flavin containing monooxygenase 3, flavin containing monooxygenase 5 |
| 80 | 16653 | AA799996 | Z, AA | | ESTs, Highly similar to GBG5_HUMAN GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-5 SUBUNIT [H.sapiens], G protein gamma-5 subunit, Mus musculus, guanine nucleotide binding protein (G protein), gamma 5, clone MGC:12061 IMAGE:3707994, mRNA, complete cds, Mus musculus, guanine nucleotide binding protein (G protein), gamma 5, clone MGC:3593324, mRNA, complete cds, guanine nucleotide binding protein (G protein), gamma 5 |
| 3956 | 1546 | NM_133595 | KKK, PPP, QQQ, General Alternate | | ESTs, Highly similar to GFRP RAT GTP CYCLOHYDROLASE I FEEDBACK REGULATORY PROTEIN [R.norvegicus], GTP cyclohydrolase I feedback regulatory protein |

| TABLE 3 | | | | | | |
|---------|-------------|--------------------------|-------------------------------------|----------------------------------|---|--|
| Seq ID | GLCC ID No. | Genbank Accor RefSeq ID. | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | |
| 1996 | 17812 | A1169075 | PPP, QQQ | | ESTs, Highly similar to GTO1_RAT Glutathione transferase omega 1 (GSTO 1-1) (Glutathione-dependent dehydroascorbate reductase) [R.norvegicus], ESTs, Weakly similar to GTXH_HUMAN GLUTATHIONE-S-TRANSFERASE HOMOLO [H.sapiens], RIKEN cDNA 1700020F09 gene, glutathione S-transferase omega 1, glutathione transferase zeta 1 (maleylacetoacetate isomerase), glutathione-S-transferase like; glutathione transferase omega | |
| 1344 | 15644 | A1010256 | C, L, W, WW | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 1905 | 24211 | A1111853 | E | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 1936 | 24212 | A1136747 | PPP, QQQ | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 2009 | 24213 | A1169289 | LL | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 3863 | 15642 | NM_053985 | C, I, J, N, W, II, MM, WW, OOO, TTT | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 3863 | 15643 | NM_053985 | W | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |
| 3863 | 15645 | NM_053985 | W | | ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene | |

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TABLE 3 Attorney Docket 44921-5033-01WO Document No. 1935323.1

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 368 | 19105 | AA859230 | II | | ESTs, Highly similar to HG14_HUMAN NONHISTONE CHROMOSOMAL PROTEIN HMG-1 [H.sapiens], ESTs, Highly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7 |
| 2726 | 13911 | A1236262 | Q, R | | ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1_MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], High mobility group 1, Mus musculus thymus high mobility group box protein TOX (Tox) mRNA, complete cds, RIKEN cDNA 4932431P20 gene, high mobility group box 1, high mobility group box 3, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group (nonhistone chromosomal) protein 4 |
| 3183 | 19108 | NM_012963 | V | | ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1_MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------|----------------------------------|---|
| 3183 | 19109 | NM_012963 | JJ, KK | | ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A |
| 3183 | 19110 | NM_012963 | JJ, KK, PP, QQ, HHH | | ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A |
| 233 | 19433 | AA819776 | K, XX, YY | | ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |
| 876 | 20795 | AA944397 | K | | ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 2214 | 16518 | A1176546 | H, T, II | | ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1 |
| 1058 | 18648 | AA963782 | SS | | ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96 |
| 4071 | 18647 | S69316 | LL | | ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96 |
| 1319 | 19092 | A1009501 | KKK | | ESTs, Highly similar to Human Translation Initiation Factor Eif1, Nmr, 29 Structures [H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae) |
| 2554 | 19094 | A1232021 | C | | ESTs, Highly similar to Human Translation Initiation Factor Eif1, Nmr, 29 Structures [H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae) |
| 1807 | 22487 | A1102578 | A | | ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3'end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, hypothetical protein MGC16332, tumor necrosis factor, alpha-induced protein 2 |
| 315 | 21489 | AA851443 | GG | | ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3'end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, similar to S. cerevisiae Sec6p and R. norvegicus rsec6, tumor necrosis factor, alpha-induced protein 2 |

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| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------|----------------------------------|--|
| 4119 | 21488 | U32575 | GG, PP, QQ | | ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3' end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, similar to S. cerevisiae Sec6p and R. norvegicus rsec6, tumor necrosis factor, alpha-induced protein 2 |
| 2602 | 12873 | A1232984 | II | | ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to I38616 zinc finger protein ZNF139 [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda102, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 |
| 2377 | 19828 | A1180087 | F | | ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda102, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 |
| 3830 | 19827 | NM_053806 | PP, QQ, YY, PPP, QQQ | | ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda102, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 |

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| Seq ID | CLGC ID No. | Genbank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 1689 | 26184 | A1070784 | II | | ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda10V2, zinc finger protein 136 (clone pHZ-20), zinc finger protein 260, zinc finger protein 63, zinc finger protein 97 |
| 1125 | 8786 | AA996993 | K | | ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine |
| 966 | 23584 | AA955071 | J, GG, HH, General Core Tox Markers | | ESTs, Highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma |
| 1222 | 19649 | AF016387 | XX, YY | | ESTs, Highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma |
| 3996 | 11840 | NM_138911 | H, Z, AA, DD | | ESTs, Highly similar to IEF5_HUMAN TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens], ESTs, Weakly similar to small glutamine-rich tetratricopeptide repeat (TPR) containing protein (SGT) [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:27660 IMAGE:4527683, mRNA, complete cds, RIKEN cDNA 5330427H01 gene, hypothetical protein FLJ12788, small glutamine-rich tetratricopeptide repeat (TPR) containing protein (SGT), small glutamine-rich tetratricopeptide repeat (TPR)-containing, stress-induced phosphoprotein 1, stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) |
| 1667 | 9067 | A1070087 | FFF, General Core Tox Markers, General Alternate | | ESTs, Highly similar to IF34 MOUSE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 4 [M.musculus], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], Nucleolin, RIKEN cDNA 0610008K04 gene, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), eukaryotic translation initiation factor 3, subunit 4 (delta, 44kD), nucleolin, pigpen |

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Document No. 1935928.1

| Seq ID | GLCC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------------------|----------------------------------|--|
| 4271 | 1764 | X83399 | R | | ESTs, Highly similar to IF4E_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 4E [H.sapiens], RIKEN cDNA 1300018P11 gene, RIKEN cDNA 2700069E09 gene, eukaryotic translation initiation factor 4E, eukaryotic translation initiation factor 4E-like 3 |
| 1363 | 21659 | A1010584 | LL | | ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U) |
| 2030 | 21660 | A1169751 | BB, EEE, MMM | | ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U) |
| 4235 | 21657 | X61381 | BB, CC, GG, HH, NN, OO, PP, QQ, LLL | | ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U) |
| 2085 | 3664 | A1171289 | GG | | ESTs, Highly similar to JC2472 brain and reproductive organ-expressed protein [H.sapiens], brain and reproductive organ-expressed (TNFRSF1A modulator) |
| 2137 | 2140 | A1172272 | XX, General Alternate | | ESTs, Highly similar to JC4577 transcription elongation factor T1 [H.sapiens], ESTs, Highly similar to Transcriptional Elongation Factor Sii [H.sapiens], ESTs, Weakly similar to JC5430 transcription elongation factor S-II-T1, testis-specific - mouse [M.musculus], Homo sapiens cDNA: FLJ23371 fis, clone HEP16068, highly similar to HSTFIISH Homo sapiens mRNA for transcription elongation factor TFIIIS, PHD finger protein 3, transcription elongation factor A (SII), 3 |
| 152 | 3016 | AA818069 | EE | | ESTs, Highly similar to JE0190 polyubiquitin unit [H.sapiens], ESTs, Highly similar to UQHUC polyubiquitin 9 [H.sapiens], Homo sapiens, Similar to orosomucoid 1, clone MGC:24263 IMAGE:3934516, mRNA, complete cds, expressed sequence AL033289, ubiquitin B, ubiquitin C |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------|----------------------------------|---|
| 3991 | 3015 | NM_138895 | T | | ESTs, Highly similar to JE0190 polyubiquitin unit [H.sapiens], ESTs, Highly similar to UQHUC polyubiquitin 9 [H.sapiens], Homo sapiens, Similar to orosomucoid 1, clone MGC:24263 IMAGE:3934516, mRNA, complete cds, expressed sequence AL033289, ubiquitin B, ubiquitin C |
| 2407 | 12413 | A1227953 | D | | ESTs, Highly similar to K6A1_RAT Ribosomal protein S6 kinase alpha 1 (S6K-alpha 1) (90 kDa ribosomal protein S6 kinase 1) (p90-RSK 1) (Ribosomal S6 kinase 1) (RSK-1) (pp90RSK1) [R.norvegicus], Mus musculus, clone IMAGE:3156601, mRNA, S6 protein kinase (Rsk-1), ribonuclease P1, ribosomal protein S6 kinase polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 1 |
| 461 | 2846 | AA875639 | V | | ESTs, Highly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], ESTs, Weakly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], Homo sapiens, clone IMAGE:4793702, mRNA, Mus musculus, clone MGC:32469 IMAGE:5050433, mRNA, complete cds, crystallin, zeta, fatty acid synthase, quinone oxidoreductase homolog |
| 3231 | 1258 | NM_013185 | VV | | ESTs, Highly similar to LCK MOUSE PROTO-ONCOGENE TYROSINE-PROTEIN KINASE LCK [M.musculus], RIKEN cDNA 8430404F20 gene, hemopoietic cell kinase, lymphocyte protein tyrosine kinase. lymphocyte-specific protein tyrosine kinase, src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites |
| 917 | 12314 | AA945596 | G, GG, HH, VV | | ESTs, Highly similar to LCT2_HUMAN LEUKOCYTE CELL-DERIVED CHEMOTAXIN 2 PRECURSOR [H.sapiens], leukocyte cell-derived chemotaxin 2 |
| 644 | 3465 | AA893611 | ZZ, AAA | | ESTs, Highly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], ESTs, Weakly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], MAX dimerization protein, MAX interacting protein 1, Max interacting protein 1 |
| 2788 | 3467 | A1237835 | E | | ESTs, Highly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], ESTs, Weakly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], MAX dimerization protein, MAX interacting protein 1, Max interacting protein 1 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 3990 | 5656 | NM_138885 | CCC | | ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], ESTs, Weakly similar to JC5837 364K Golgi complex-associated protein - rat [R.norvegicus], ESTs, Weakly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], ESTs, Weakly similar to T42722 male-enhanced antigen-2 - mouse [M.musculus], RB1-inducible coiled-coil 1, RIKEN cDNA 2400004E04 gene, RIKEN cDNA 4930428L02 gene, RIKEN cDNA 5730504C04 gene, coiled-coil protein BICD2, expressed sequence AL022610, expressed sequence AU042952, golgi autoantigen, golgin subfamily b, macrogolgin (with transmembrane signal), 1, hypothetical protein FLJ13031, myosin heavy chain IX, similar to rat myomegalin |
| 2730 | 19298 | A1236338 | UUU | | ESTs, Highly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1 |
| 1718 | 9795 | A1071989 | D, E | | ESTs, Highly similar to NPA1_MOUSE NEURONAL PAS DOMAIN PROTEIN 1 [M.musculus], ESTs, Moderately similar to NPA1_HUMAN NEURONAL PAS DOMAIN PROTEIN 1 [H.sapiens], ESTs, Weakly similar to NPA1_HUMAN NEURONAL PAS DOMAIN PROTEIN 1 [H.sapiens], basic-helix-loop-helix-PAS protein, neuronal PAS domain protein 1 |
| 1313 | 3665 | A1009376 | A, B, HHH | | ESTs, Highly similar to NPM_HUMAN NUCLEOPHOSMIN [H.sapiens], ESTs, Weakly similar to NPM_HUMAN NUCLEOPHOSMIN [H.sapiens], nucleoplasmin 3 |
| 2043 | 18671 | A1170270 | FF | | ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bdat02, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63 |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------------------------|----------------------------------|---|
| 2290 | 18672 | A1178189 | H, General Alternate | | ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bda102, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63 |
| 2735 | 14777 | A1236565 | V | | ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bda102, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63 |
| 3733 | 25529 | NM_033096 | WW | | ESTs, Highly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], ESTs, Weakly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform, protein phosphatase 1B, magnesium dependent, beta isoform |
| 3865 | 18025 | NM_053989 | ZZ, AAA | | ESTs, Highly similar to PAB1_HUMAN POLYADENYLATE-BINDING PROTEIN 1 [H.sapiens], RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene |
| 3600 | 12638 | NM_031099 | T | | ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5 |
| 3600 | 12639 | NM_031099 | H, S, II, FFF, General Alternate | | ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------|----------------------------------|--|
| 2773 | 14827 | A1237404 | QQ | | ESTs, Highly similar to PKL2_RAT PROTEIN KINASE C-LIKE 2 (PROTEIN-KINASE C-RELATED KINASE 2) (PROTEASE-ACTIVATED KINASE 2) (PAK-2) [R.norvegicus], ESTs, Moderately similar to PKL2_RAT PROTEIN KINASE C-LIKE 2 (PROTEIN-KINASE C-RELATED KINASE 2) (PROTEASE-ACTIVATED KINASE 2) (PAK-2) [R.norvegicus], ESTs, Weakly similar to JC7083 protein kinase [H.sapiens], ESTs, Weakly similar to PC4220 protein kinase [M.musculus], protein kinase C-like 2, protein kinase PKNbeta |
| 4231 | 1141 | X59601 | UU, KKK | | ESTs, Highly similar to PLE1_MOUSE PLECTIN 1 (PLTN) (PCN) [M.musculus], ESTs, Weakly similar to plectin [Rattus norvegicus] [R.norvegicus], KIAA1009 protein, Mus musculus, clone IMAGE:4188338, mRNA, partial cds, desmoplakin (DPI, DPII), expressed sequence AA407888, plectin 1, intermediate filament binding protein, 500kD |
| 866 | 22017 | AA944209 | III, JJJ | | ESTs, Highly similar to PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE PIM-1 [M.musculus], PAS domain containing serine/threonine kinase |
| 1271 | 22018 | A1008309 | III, JJJ, KKK | | ESTs, Highly similar to PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE PIM-1 [M.musculus], PAS domain containing serine/threonine kinase |
| 2166 | 4445 | A1175466 | N | | ESTs, Highly similar to RASH_RAT TRANSFORMING PROTEIN P21/H-RAS-1 (C-H-RAS) [R.norvegicus], Harvey rat sarcoma oncogene, subgroup R, Harvey rat sarcoma virus oncogene, Mus musculus, Similar to v-Ha-ras Harvey rat sarcoma viral oncogene homolog, clone MGC:19390 IMAGE:3152667, mRNA, complete cds, related RAS viral (r ras) oncogene homolog, v-Ha-ras Harvey rat sarcoma viral oncogene homolog |
| 4200 | 18541 | X14671 | BB, CC, RR | | ESTs, Highly similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ESTs, Highly similar to S33713 ribosomal protein L26, cytosolic [H.sapiens], ESTs, Moderately similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ribosomal protein L26, ribosomal protein L26-like 1 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 463 | 6079 | AA891037 | UUU | | ESTs, Highly similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3_MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like |
| 1605 | 10533 | A1058430 | BBB | | ESTs, Highly similar to S03700 nonhistone chromosomal protein HMG-17 [H.sapiens], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high mobility group nucleosomal binding domain 3, high-mobility group (nonhistone chromosomal) protein 14, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7 |
| 2373 | 17349 | A1179987 | AAA | | ESTs, Highly similar to S03700 nonhistone chromosomal protein HMG-17 [H.sapiens], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high mobility group nucleosomal binding domain 3, high-mobility group (nonhistone chromosomal) protein 14, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7 |
| 2015 | 5716 | A1169347 | RRR | | ESTs, Highly similar to S12207 hypothetical protein [M.musculus], ESTs, Highly similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], RIKEN cDNA 1110046J11 gene, neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a |
| 2122 | 2218 | A1172011 | RRR | | ESTs, Highly similar to S12207 hypothetical protein [M.musculus], ESTs, Moderately similar to T00363 hypothetical protein KIAA0674 [H.sapiens], KIAA0674 protein, RIKEN cDNA 1110046J11 gene |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 74 | 15011 | AA799893 | R, MM, TTT | | ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], Mus musculus, Similar to TAR DNA binding protein, clone MGC:19284 IMAGE:4016437, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 4930547K05 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A3 |
| 1698 | 11596 | A1071194 | BB | | ESTs, Highly similar to S16506 hypothetical protein [H.sapiens], ESTs, Weakly similar to S16506 hypothetical protein [H.sapiens], Homo sapiens, similar to putative, clone MGC:22793 IMAGE:4773899, mRNA, complete cds, hypothetical protein FLJ12748 |
| 2675 | 22609 | A1234828 | X, Y | | ESTs, Highly similar to S25644 Ig mu chain C region - rat (fragment) [R.norvegicus], R.norvegicus mRNA for Ig rearranged mu-chain C region, exons 2-4, expressed sequence A1326478, expressed sequence A1893585, immunoglobulin heavy chain 6 (heavy chain of IgM), immunoglobulin heavy constant mu |
| 2456 | 11527 | A1229307 | ZZ | | ESTs, Highly similar to S27958 transcription factor BTF2 62K chain [H.sapiens], general transcription factor IIH, polypeptide 1 (62kD subunit) |
| 2903 | 3815 | H31907 | FFF, GGG | | ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], ESTs, Weakly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene |
| 3858 | 6357 | NM_053969 | S | | ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], ESTs, Weakly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene |

TABLE 3 Attorney Docket 44921-5033-01WO Document No. 193523.1

| Seq ID | GLCC ID No. | GenBank Acc. or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|---|----------------------------------|---|
| 1981 | 2917 | A1145614 | S, UUU C, H, JJ, KK, PP, QQ, ZZ, AAA, HHH, PPP, QQQ, General Core Tox Markers | | ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Homo sapiens cDNA FLJ30168 fis, clone BRACE2000750, Homo sapiens cDNA FLJ30648 fis, clone CTONG2006449, moderately similar to Drosophila melanogaster 26S proteasome regulatory complex subunit p42A mRNA, KIAA0107 gene product, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene |
| 4041 | 10544 | NM_152935 | C, FFF, GGG, HHH, PPP, QQQ, General Core Tox Markers | | ESTs, Highly similar to S68215 Mas 20 protein [H.sapiens], Homo sapiens cDNA FLJ30361 fis, clone BRACE2007764, RIKEN cDNA 1810060K07 gene, RIKEN cDNA 4930553D19 gene, translocase of outer mitochondrial membrane 20 (yeast) homolog |
| 4041 | 10545 | NM_152935 | | | ESTs, Highly similar to S68215 Mas 20 protein [H.sapiens], Homo sapiens cDNA FLJ30361 fis, clone BRACE2007764, RIKEN cDNA 1810060K07 gene, RIKEN cDNA 4930553D19 gene, translocase of outer mitochondrial membrane 20 (yeast) homolog |
| 1174 | 3773 | AA998356 | A, B, E, CC, DD, EE, PP, QQ, III, JJJ, KKK, NNN | | ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S37771 ankyrin, erythrocyte - mouse [M.musculus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat (fragment) [R.norvegicus], leukocyte receptor cluster (LRC) member 3, molecule possessing ankyrin repeats induced by lipopolysaccharide (MAIL), homolog of mouse, myosin phosphatase, target subunit 1, protein phosphatase 1, regulatory (inhibitor) subunit 12A |

| TABLE 3 | | Attorney Docket 44921-5033-01WC Document No. 1935328.1 | |
|---------|-------------|---|---|
| Seq ID | CLCG ID No. | GenBank Acc or RefSeq ID | Human Homologous Known Gene Name |
| | | Model Code | Human Homologous Sequence Cluster Title |
| 2148 | 23157 | A1172489 | Q, R ESTs, Highly similar to STRN_RAT Striatin [R.norvegicus], Homo sapiens cDNA FLJ30750 fis, clone FEBRA2000404, RIKEN cDNA 1700123D08 gene, RIKEN cDNA 2510040D07 gene, RIKEN cDNA 4930434E21 gene, RIKEN cDNA 5430411C10 gene, platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit, striatin, striatin, calmodulin binding protein |
| 2210 | 13678 | A1176490 | WW ESTs, Highly similar to T00665 hypothetical protein KIAA0442 [H.sapiens], Homo sapiens cDNA FLJ12396 fis, clone MAMMA1002758, KIAA1545 protein, hypothetical protein FLJ11618 |
| 2322 | 11660 | A1178944 | HHH, General Alternate ESTs, Highly similar to T03842 fission yeast Skb1 protein homolog [H.sapiens], Homo sapiens cDNA FLJ14831 fis, clone OVARC1001107, highly similar to Homo sapiens protein methyltransferase (JBP1) mRNA |
| 163 | 17771 | AA818224 | AA ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 3 |
| 4186 | 1700 | X03369 | NN, UU ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, Rat mRNA for beta-tubulin T beta15, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 2, tubulin, beta 3, tubulin, beta polypeptide |
| 39 | 18361 | AA799591 | U, V, GG ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, Rat mRNA for beta-tubulin T beta15, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 3, tubulin, beta, 2 |

TABLE 3

| Seq. ID | GLCG ID No. | Genbank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|---|----------------------------------|---|
| 2473 | 16093 | A1229849 | T | | ESTs, Highly similar to T13152 WDR1 protein [H.sapiens], ESTs, Moderately similar to T13152 WDR1 protein [H.sapiens], WD repeat domain 1 [H.sapiens], |
| 2363 | 14586 | A1179865 | LLL | | ESTs, Highly similar to T17270 hypothetical protein DKFZp434N241.1 [H.sapiens], KIAA1007 protein |
| 2288 | 16739 | A1178151 | C, HH | | ESTs, Highly similar to T46366 hypothetical protein DKFZp434C0118.1 [H.sapiens], F-box only protein 9, Homo sapiens cDNA FLJ32209 fis, clone PLACE6003372 |
| 263 | 19412 | AA849222 | CC, PP, UU, III, KKK, NNN | | ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia |
| 648 | 19410 | AA893667 | PP, UU, III, KKK | | ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia |
| 648 | 19411 | AA893667 | E, BB, NN, PP, QQ, EEE, III, JJJ, KKK, MMM, NNN | | ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia |
| 1320 | 3828 | A1009601 | V | | ESTs, Highly similar to T4S4_HUMAN TRANSMEMBRANE 4 SUPERFAMILY, MEMBER 4 [H.sapiens], Mus musculus, clone MGC:19127 IMAGE:4211816, mRNA, complete cds, transmembrane 4 superfamily member 1, transmembrane 4 superfamily member 4, transmembrane 4 superfamily member 5 |
| 617 | 3865 | AA893065 | ZZ, AAA | | ESTs, Highly similar to THDE_RAT Thyrotropin-releasing hormone degrading ectoenzyme (TRH-degrading ectoenzyme) (TRH-DE) (TRH-specific aminopeptidase) (Thyroliberinase) (Pyroglutamyl-peptidase II) (PAP-II) [R.norvegicus], ESTs, Weakly similar to AMPE MOUSE GLUTAMYL AMINOPEPTIDASE [M.musculus], ESTs, Weakly similar to PUROMYCIN-SENSITIVE AMINOPEPTIDASE [M.musculus], aminopeptidase puromycin sensitive, puromycin-sensitive aminopeptidase |
| 4082 | 14121 | S82383 | O, P, VV | | ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus] |

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| Seq ID | CLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|----------------|----------------------------------|--|
| 1447 | 22709 | AI013404 | B | | ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor |
| 3961 | 16456 | NM_134346 | P | | ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor |
| 3961 | 16457 | NM_134346 | A, B, O, P, VV | | ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor |
| 3615 | 15052 | NM_031136 | BBB, CCC | | ESTs, Highly similar to TYB4 MOUSE THYMOSIN BETA-4 [M.musculus], ESTs, Moderately similar to PC4259 ferritin associated protein [H.sapiens], Homo sapiens cDNA FLJ31414 fis, clone NT2NE2000260, weakly similar to THYMOSIN BETA-4, thymosin, beta 4, X chromosome |
| 2246 | 2359 | AI177029 | DD | | ESTs, Highly similar to TYROSINE-PROTEIN KINASE ITK/TSK [M.musculus], ESTs, Moderately similar to ITK MOUSE TYROSINE-PROTEIN KINASE ITK/TSK [M.musculus], IL2-inducible T-cell kinase, Mus musculus 0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430106A18:IL2-inducible T-cell kinase, full insert sequence, tec protein tyrosine kinase |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|---|
| 1021 | 23463 | AA956794 | Q, R | | ESTs, Highly similar to UB3_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 3 [H.sapiens], ESTs, Weakly similar to I58376 hypothetical protein unpmouse [M.musculus], ESTs, Weakly similar to UB3_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 3 [H.sapiens], Homo sapiens, clone MGC:20741 IMAGE:4579283, mRNA, complete cds, Mus musculus, clone IMAGE:3711168, mRNA, partial cds, RIKEN cDNA 4930550B20 gene, ubiquitin specific protease 3 |
| 3976 | 13563 | NM_138530 | O, P, GG, HH, EEE, GGG, MMM | | ESTs, Highly similar to ULA4_HUMAN MAWD binding protein (Unknown protein 32 from 2D-page of liver tissue) [H.sapiens], MAWD binding protein |
| 1988 | 11363 | AI145997 | S, LL | | ESTs, Highly similar to UV EXCISION REPAIR PROTEIN PROTEIN RAD23 HOMOLOG B [M.musculus], RAD23 homolog B (S. cerevisiae), RAD23b homolog (S. cerevisiae) |
| 1731 | 8856 | AI072402 | FF | | ESTs, Highly similar to Z208_HUMAN ZINC FINGER PROTEIN 208 [H.sapiens], ESTs, Moderately similar to Z208_HUMAN ZINC FINGER PROTEIN 208 [H.sapiens], ESTs, Moderately similar to zinc finger protein 30 [M.musculus], ESTs, Weakly similar to zinc finger protein 30 [M.musculus], Homo sapiens cDNA FLJ20562 fis, clone KAT11992, KRAB zinc finger protein KR18, zinc finger protein 208 |
| 3826 | 14016 | NM_053770 | A | | ESTs, Moderately similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1 |
| 3826 | 14017 | NM_053770 | A | | ESTs, Moderately similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to Arg/Abi-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1 |
| 3589 | 17727 | NM_031043 | O, P, VV | | ESTs, Moderately similar to glycogenin 2 [Homo sapiens] [H.sapiens], glycogenin, glycogenin 1, glycogenin 2 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 3054 | 1410 | M96548 | WWW | | ESTs, Moderately similar to hypothetical protein MGC2663 [H.sapiens] [H.sapiens], ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], ESTs, Weakly similar to TC17 MOUSE TRANSCRIPTION FACTOR 17 [M.musculus], ESTs, Weakly similar to TC17_RAT Zinc finger protein 354A (Transcription factor 17) (Renal transcription factor Kid-1) (Kidney, ischemia, and developmentally regulated protein-1) [R.norvegicus], expressed sequence A1875089, hypermethylated in cancer 2, zinc finger protein 354A, zinc finger protein 354B |
| 1917 | 9575 | A112250 | SS | | ESTs, Moderately similar to protein tyrosine phosphatase type IVA, member 2, isoform 1; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2 [Homo sapiens] [H.sapiens], protein tyrosine phosphatase 4a2, protein tyrosine phosphatase type IVA, member 2 |
| 3772 | 9573 | NM_053475 | ZZ, AAA | | ESTs, Moderately similar to protein tyrosine phosphatase type IVA, member 2, isoform 1; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2 [Homo sapiens] [H.sapiens], protein tyrosine phosphatase 4a2, protein tyrosine phosphatase type IVA, member 2 |
| 3766 | 14670 | NM_053439 | UUU | | ESTs, Moderately similar to RAN, member RAS oncogene family [Rattus norvegicus] [R.norvegicus], F-box and WD-40 domain protein 7, archipelago homolog (Drosophila), RAN, member RAS oncogene family, RAS-like, family 2, locus 9, RIKEN cDNA 1700009N14 gene |
| 3486 | 9541 | NM_022542 | W, II, QQ | | ESTs, Moderately similar to rhoB gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to rhoB gene [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:29297 IMAGE:5003249, mRNA, complete cds, RIKEN cDNA 5830400A04 gene, ras homolog B (RhoB), ras homolog gene family, member B |
| 3720 | 18899 | NM_031985 | LL, TT | | ESTs, Moderately similar to ribosomal protein S6 kinase, 70kD, polypeptide 2; S6 kinase 2 [Mus musculus] [M.musculus], RIKEN cDNA 2610318115 gene, ribosomal protein S6 kinase, 70kD, polypeptide 1, ribosomal protein S6 kinase, 70kD, polypeptide 2 |

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| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 1285 | 16701 | A1008838 | U, FF, TT, UU, DDD, SSS, UUU, General Core Tox Markers | | ESTs, Moderately similar to RIKEN cDNA 1300002A08 [Mus musculus] [M.musculus], RIKEN cDNA 1300002A08 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methylenetetrahydrofolate cyclohydrolase, protease, serine, 15 |
| 2338 | 16703 | A1179300 | K, U, FF, LL, TT, UU, HHH, LLL, SSS, UUU, General Core Tox Markers | | ESTs, Moderately similar to RIKEN cDNA 1300002A08 [Mus musculus] [M.musculus], RIKEN cDNA 1300002A08 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methylenetetrahydrofolate cyclohydrolase, protease, serine, 15 |
| 662 | 7637 | AA894089 | XX, YY, ZZ, AAA | | ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364 |
| 3992 | 7635 | NM_138896 | K, M, ZZ, AAA | | ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364 |
| 3992 | 7636 | NM_138896 | ZZ, AAA | | ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364 |
| 3297 | 20702 | NM_017166 | ZZ, AAA | | ESTs, Moderately similar to A40936 stathmin [H.sapiens], expressed sequence A1131641, leukemia-associated gene, stathmin 1/oncoprotein 18 |

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| Seq ID | CLCC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|--------------|----------------------------------|--|
| 1236 | 16762 | AF059530 | UU | | ESTs, Moderately similar to ANM1_MOUSE PROTEIN ARGININE N-METHYLTRANSFERASE 1 [M.musculus], ESTs, Weakly similar to ANM1_MOUSE PROTEIN ARGININE N-METHYLTRANSFERASE 1 [M.musculus], HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae), Mus musculus, Similar to protein arginine N-methyltransferase 6, clone MGC:30554 IMAGE:5067159, mRNA, complete cds, RIKEN cDNA 2410018A17 gene, heterogeneous nuclear ribonucleoprotein methyltransferase-like 1 (S. cerevisiae), heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 (S. cerevisiae), heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 (S. cerevisiae), related sequence, hypothetical protein FLJ10640, protein arginine N-methyltransferase 3(hnRNP methyltransferase S. cerevisiae)-like 3 |
| 3941 | 17634 | NM_133418 | PP, QQ | | ESTs, Moderately similar to BMCP_HUMAN BRAIN MITOCHONDRIAL CARRIER PROTEIN-1 [H.sapiens], ESTs, Weakly similar to M2OM_HUMAN MITOCHONDRIAL 2-OXOGLUTARATE/MALATE CARRIER PROTEIN [H.sapiens], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11 |
| 3941 | 17635 | NM_133418 | GG | | ESTs, Moderately similar to BMCP_HUMAN BRAIN MITOCHONDRIAL CARRIER PROTEIN-1 [H.sapiens], ESTs, Weakly similar to M2OM_HUMAN MITOCHONDRIAL 2-OXOGLUTARATE/MALATE CARRIER PROTEIN [H.sapiens], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11 |
| 1237 | 18675 | AF061947 | A, B, DD, EE | | ESTs, Moderately similar to CABI RAT CALCINEURIN-BINDING PROTEIN CABIN 1 [R.norvegicus], calcineurin binding protein 1 |
| 598 | 7148 | AA892842 | L | | ESTs, Moderately similar to CAZ3_MOUSE F-ACTIN CAPPING PROTEIN ALPHA-3 SUBUNIT (CAPZ ALPHA-3) (GERM CELL-SPECIFIC PROTEIN 3) [M.musculus], capping protein (actin filament) muscle Z-line, alpha 2, capping protein alpha 2, capping protein alpha 3 |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 1631 | 10169 | A1059204 | KKK | | ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065 |
| 2780 | 18854 | A1237636 | OOO | | ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065 |
| 2561 | 19274 | A1232135 | DDD, General Alternate | | ESTs, Moderately similar to COG2_MOUSE Coatomer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP) [M.musculus], Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone.4632427M03:coatmer protein complex, subunit gamma 1, full insert sequence, coatomer protein complex, subunit gamma 2 |
| 4127 | 18038 | U39943 | CC, NN, OO, BBB, CCC, General Alternate | | ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPIIJ3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783 |
| 4128 | 18036 | U40004 | G, H, OO, General Alternate | | ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPIIJ3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783 |

TABLE 3

| Seq. ID | GLGG ID No. | Genbank Accor RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|---------|-------------|------------------------|---|----------------------------------|---|
| 3202 | 17401 | NM_013043 | B, L, X, Y, HH, GGG, LLL, OOO, SSS, UUU, General Core Tox Markers | | ESTs, Moderately similar to DIP_HUMAN DIP PROTEIN [H.sapiens], KIAA0669 gene product, RIKEN cDNA 0610009M14 gene, RIKEN cDNA 1810043J12 gene, TSC-22-like, transforming growth factor beta 1 induced transcript 4, transforming growth factor beta-stimulated protein TSC-22 |
| 4120 | 154 | U32681 | NN, PP, EEE, MMM | | ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to crp-ductin [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NETR MOUSE NEUROTRYP SIN PRECURSOR [M.musculus], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], RIKEN cDNA 5430419D17 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein |
| 4120 | 155 | U32681 | BB, CC, NN, PP, QQ, EEE, MMM | | ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to crp-ductin [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NETR MOUSE NEUROTRYP SIN PRECURSOR [M.musculus], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], RIKEN cDNA 5430419D17 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein |
| 1603 | 18172 | AI058364 | EE, WW | | ESTs, Moderately similar to G02313 CDC37 homolog [H.sapiens], Hsp90-associating relative of Cdc37 |
| 1881 | 24323 | AI104798 | DDD, LLL | | ESTs, Moderately similar to GTM1_RAT Glutathione S-transferase YB1 (Chain 3) (GST M1-1) (GST class-Mu 1) [R.norvegicus], Glutathione-S-transferase, mu type 2 (Yb2), glutathione S-transferase M4, glutathione S-transferase, mu 1 |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------|----------------------------------|---|
| 1901 | 16718 | AI111537 | XX, YY | | ESTs, Moderately similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R.norvegicus], ESTs, Weakly similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R.norvegicus], Rattus norvegicus Class II MHC RT1.D(a) beta chain precursor (RT1.D(a)) mRNA, complete cds, Rattus norvegicus Class II MHC RT1.D(n) beta chain precursor (RT1.D(n)) mRNA, complete cds, histocompatibility 2, class II antigen E beta, major histocompatibility complex, class II, DR beta 1, major histocompatibility complex, class II, DR beta 5 |
| 1715 | 17673 | AI071895 | RR | | ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens] |
| 3337 | 16182 | NM_017313 | JJ, KK | | ESTs, Moderately similar to I57546 Rabin3 - rat [R.norvegicus], Grab protein, Mus musculus, clone MGC:28059 IMAGE:3708973, mRNA, complete cds, RAB3A interacting protein (rabin3)-like 1, hypothetical protein FLJ22548 similar to gene trap PAT 12 |
| 3350 | 24392 | NM_019129 | D, Z, AA | | ESTs, Moderately similar to INS2 MOUSE INSULIN 2 PRECURSOR [M.musculus], expressed sequence AA986540, insulin, insulin I, insulin II |
| 597 | 17581 | AA892835 | DDD | | ESTs, Moderately similar to JC1235 transcription factor BTF3a [H.sapiens], Homo sapiens cDNA FLJ14844 fis, clone PLACE1000133, highly similar to TRANSCRIPTION FACTOR BTF3, Mus musculus, basic transcription factor 3, clone MGC:6799 IMAGE:2648048, mRNA, complete cds, RIKEN cDNA 1700054E11 gene, RIKEN cDNA 5730434I03 gene, basic transcription factor 3 |
| 86 | 21064 | AA800175 | II, ZZ, AAA | | ESTs, Moderately similar to JC7136 peptidylprolyl isomerase (EC 5.2.1.8) - mouse [M.musculus], protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1, protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) |
| 554 | 18209 | AA892318 | WW | | ESTs, Moderately similar to JC7220 nuclear protein SR-25 [H.sapiens], HSV1 binding protein, SRp25 nuclear protein, expressed sequence AA408210, expressed sequence AA408365 |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------------------|----------------------------------|---|
| 1414 | 7120 | A1012393 | T | | ESTs, Moderately similar to JE0343 terf protein - rat [R.norvegicus], ESTs, Weakly similar to BUTY MOUSE BUTYROPHILIN PRECURSOR [M.musculus], ESTs, Weakly similar to JE0343 terf protein - rat [R.norvegicus], butyrophilin, subfamily 1, member A1, expressed sequence AA414909, expressed sequence AW538890, ret finger protein, tripartite motif protein 17, tripartite motif-containing 17 |
| 838 | 24262 | AA943116 | X, Y, UUU | | ESTs, Moderately similar to KTHY MOUSE THYMIDYLATE KINASE [M.musculus], Homo sapiens cDNA FLJ12070 fis, clone HEMBB1002358, thymidylate kinase |
| 367 | 6443 | AA859150 | OOO | | ESTs, Moderately similar to NEUROFILAMENT TRIPLET M PROTEIN [M.musculus], ESTs, Weakly similar to NFM_RAT Neurofilament triplet M protein (160 kDa neurofilament protein) (Neurofilament medium polypeptide) (NF-M) [R.norvegicus], ESTs, Weakly similar to T00365 hypothetical protein KIAA0670 [H.sapiens], ESTs, Weakly similar to TRHY_HUMAN TRICHOHYALI [H.sapiens], KIAA0888 protein, Mus musculus, Similar to sodium/calcium/potassium exchanger, clone MGC:27617 IMAGE:4504496, mRNA, complete cds, neurofilament, medium polypeptide |
| 376 | 4267 | AA859412 | V | | ESTs, Moderately similar to NICA_HUMAN NICASTRIN PRECURSOR [H.sapiens], nicastrin |
| 3134 | 8829 | NM_012749 | FFF, General Core Tox Markers | | ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Weakly similar to A35804 nucleolin [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], ESTs, Weakly similar to NUCL_RAT Nucleolin (Protein C23) [R.norvegicus], RIKEN cDNA 120009A02 gene, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen |
| 4265 | 23302 | X78949 | Q, R, Z, AA, RR | | ESTs, Moderately similar to P4H1_RAT Prol1 4-hydroxylase alpha-1 subunit precursor (4-PH alpha-1) (Procollagen-proline,2-oxoglutarate-4-dioxygenase alpha-1 subunit) [R.norvegicus], Homo sapiens, clone IMAGE:3162218, mRNA, partial cds, RIKEN cDNA 4933406E20 gene, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 2096 | 15684 | A1171535 | KK, FFF, HHH, General Core Tox Markers, General Alternate | | ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], RIKEN cDNA 4932702K14 gene, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 4 (inducible form) ESTs, Moderately similar to phospholipase C-delta4 [R.norvegicus], Homo sapiens cDNA FLJ13021 fis, clone NT2RP3000742, weakly similar to 1- PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11), hypothetical protein MGC12837, phospholipase C, delta, phospholipase C, delta 4 |
| 3903 | 18004 | NM_080688 | EE, NNN | | ESTs, Moderately similar to PLS1_RAT Phospholipid scramblase 1 (PL scramblase 1) (Ca2+ dependent phospholipid scramblase 1) [R.norvegicus], ESTs, Weakly similar to PLS1_RAT Phospholipid scramblase 1 (PL scramblase 1) (Ca2+ dependent phospholipid scramblase 1) [R.norvegicus], phospholipid scramblase 1, phospholipid scramblase 2 |
| 3890 | 17477 | NM_057194 | W | | |
| 2869 | 1884 | D50695 | G, H, X, Y, General Alternate | | ESTs, Moderately similar to PRS6_HUMAN 26S PROTEASE REGULATORY SUBUNIT 6B [H.sapiens], proteasome (prosome, macropain) 26S subunit, ATPase, 4 ESTs, Moderately similar to PSB7_MOUSE Proteasome subunit beta type 7 precursor (Proteasome subunit Z) (Macropain chain Z) (Multicatalytic endopeptidase complex chain Z) [M.musculus], ESTs, Weakly similar to proteasome (prosome, macropain) subunit, beta type, 7 [Rattus norvegicus] [R.norvegicus], expressed sequence AU020723, proteasome (prosome, macropain) subunit, beta type 10, proteasome (prosome, macropain) subunit, beta type 7, proteasome (prosome, macropain) subunit, beta type, 10, proteasome (prosome, macropain) subunit, beta type, 7 |
| 3781 | 18401 | NM_053532 | K, X, Y, UUU | | |

TABLE 3

| Seq ID | GLGC ID No. | GenBank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 3584 | 6911 | NM_031027 | H, II, W, EEE, FFF, LLL, MMM, UUU, General Alternate | | ESTs, Moderately similar to PYRD_MOUSE Dihydroorotate dehydrogenase, mitochondrial precursor (Dihydroorotate oxidase) (DHOdehase) [M.musculus], RIKEN cDNA 2810417D19 gene, dihydroorotate dehydrogenase, dihydropyrimidine dehydrogenase |
| 3584 | 6912 | NM_031027 | X, Y, II, W, XX, YY | | ESTs, Moderately similar to PYRD_MOUSE Dihydroorotate dehydrogenase, mitochondrial precursor (Dihydroorotate oxidase) (DHOdehase) [M.musculus], RIKEN cDNA 2810417D19 gene, dihydroorotate dehydrogenase, dihydropyrimidine dehydrogenase |
| 2387 | 1455 | A1180373 | W | | ESTs, Moderately similar to S12207 hypothetical protein [M.musculus], ESTs, Weakly similar to mitogen activated protein kinase kinase 1 [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase kinase 1, mitogen activated protein kinase kinase 2, mitogen activated protein kinase kinase 3, mitogen-activated protein kinase kinase 1, mitogen-activated protein kinase kinase kinase 3 |
| 3847 | 1453 | NM_053887 | II | | ESTs, Moderately similar to S12207 hypothetical protein [M.musculus], ESTs, Weakly similar to mitogen activated protein kinase kinase 1 [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase kinase 1, mitogen activated protein kinase kinase 2, mitogen activated protein kinase kinase 3, mitogen-activated protein kinase kinase 1, mitogen-activated protein kinase kinase kinase 3 |
| 513 | 3902 | AA891901 | JJ, KK | | ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2 |

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| Seq ID | GLCG ID No. | Genbank Accor RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|------------------------|------------|----------------------------------|---|
| 1837 | 3905 | A1103403 | JJ, KK | | ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2 |
| 3476 | 3900 | NM_022516 | VV | | ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2 |
| 1545 | 7961 | A1044042 | WW | | ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], zinc finger protein 191, zinc finger protein 354A, zinc finger protein 354B |
| 848 | 21911 | AA943610 | JJ, KK | | ESTs, Moderately similar to T08795 hypothetical protein DKFZp586J1822.1 [H.sapiens] |
| 287 | 14507 | AA850618 | RRR | | ESTs, Moderately similar to T09123 hybrid receptor SorLA precursor - mouse [M.musculus], sortilin-related receptor, L(DLR class) A repeats-containing |
| 2514 | 13933 | A1230991 | I, J | | ESTs, Moderately similar to T46347 hypothetical protein DKFZp434K0614.1 [H.sapiens], Homo sapiens cDNA FLJ11663 fis, clone HEMBA1004631, homolog of mouse BMP-2 inducible kinase |
| 3942 | 10660 | NM_133423 | WW | | ESTs, Moderately similar to T46637 transcription factor 1, neural - rat [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434E0922 (from clone DKFZp434E0922), Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810003118:myelin transcription factor 1-like, full insert sequence, myelin transcription factor 1-like |
| 1379 | 7060 | A1011547 | ZZ, AAA | | ESTs, Moderately similar to T47183 hypothetical protein DKFZp434K1822.1 [H.sapiens], ubiquitin specific protease 22 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------------|----------------------------------|---|
| 3980 | 16922 | NM_138549 | S, Z, AA, General Alternate | | ESTs, Moderately similar to T50638 synaptic glycoprotein SC2 [H.sapiens], ESTs, Weakly similar to T50638 synaptic glycoprotein SC2 [H.sapiens], expressed sequence AI173355, glycoprotein, synaptic 2, steroid 5 alpha-reductase 2, steroid 5 alpha-reductase 2-like, steroid 5-alpha-reductase 2, steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2) |
| 3980 | 25479 | NM_138549 | A, B, S, Z, AA, FF, General Alternate | | ESTs, Moderately similar to T50638 synaptic glycoprotein SC2 [H.sapiens], ESTs, Weakly similar to T50638 synaptic glycoprotein SC2 [H.sapiens], expressed sequence AI173355, glycoprotein, synaptic 2, steroid 5 alpha-reductase 2, steroid 5 alpha-reductase 2-like, steroid 5-alpha-reductase 2, steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2) |
| 2084 | 22340 | AI171276 | HH, KKK | | ESTs, Moderately similar to TALIN [M.musculus], ESTs, Weakly similar to S69890 mitogen inducible gene mig-2 [H.sapiens], Homo sapiens cDNA: FLJ21712 fis, clone COL10231, Mus musculus, Similar to hypothetical protein MGC11134, clone MGC:41710 IMAGE:1364225, mRNA, complete cds, chromosome 20 open reading frame 42, lysosomal amino acid transporter 1, mitogen inducible 2, talin, talin 2 |
| 122 | 21416 | AA800962 | O, X, Y | | ESTs, Moderately similar to TALIN [M.musculus], Mus musculus, Similar to hypothetical protein MGC11134, clone MGC:41710 IMAGE:1364225, mRNA, complete cds, talin, talin 2 |
| 2924 | 1514 | J02780 | O, P, VV | | ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus], tropomyosin 4 |

TABLE 3

| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 2404 | 16801 | AI227894 | TT | | ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, hypothetical protein FLJ11011, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 1, UBC4/5 homolog (yeast), ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast) |
| 337 | 15284 | AA858551 | BB, CC | | ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), Mus musculus, Similar to ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5), clone MGC:28917 IMAGE:4923869, mRNA, complete cds, RIKEN cDNA 6130401J04 gene, hypothetical protein FLJ11011, ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast) |
| 3640 | 14633 | NM_031533 | K | | ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |

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| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 3718 | 17805 | NM_031980 | PP, QQ, TT | | ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |
| 3718 | 17806 | NM_031980 | RRR | | ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |
| 4047 | 14346 | NM_153314 | N | | ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |
| 4047 | 14347 | NM_153314 | K, QQ, UU | | ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |

| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------------------|---|--|
| Seq ID | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name |
| 4047 | NM_153314 | MM, TTT | Human Homologous Sequence Cluster Title ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709 |
| 407 | AA859975 | BB, CC | ESTs, Weakly similar to 2-oxoglutarate carrier [Rattus norvegicus] [R.norvegicus], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11 |
| 3469 | NM_022398 | W, DD, EE, BBB, CCC A, B, I, J, L, MM, WW, BBB, KKK, OOO, TTT, General Alternate | ESTs, Weakly similar to 2-oxoglutarate carrier [Rattus norvegicus] [R.norvegicus], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11 |
| 3424 | NM_021577 | | ESTs, Weakly similar to argininosuccinate lyase [Rattus norvegicus] [R.norvegicus], argininosuccinate lyase |
| 1233 | AF038870 | C, NN, OO, DDD | ESTs, Weakly similar to betaine-homocysteine methyltransferase [Rattus norvegicus] [R.norvegicus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930572N12:betaine-homocysteine methyltransferase, full insert sequence, betaine-homocysteine methyltransferase, betaine-homocysteine methyltransferase 2 |
| 3698 | NM_031819 | Q, R | ESTs, Weakly similar to cadherin EGF LAG seven-pass G-type receptor [Mus musculus] [M.musculus], FAT tumor suppressor homolog 1 (Drosophila), Fta3 protein, cadherin 23 (otocadherin), calyntenin 1, calyntenin 2 |

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| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 3966 | 2643 | NM_134408 | Z, AA, RR | | ESTs, Weakly similar to cadherin EGF LAG seven-pass G-type receptor [Mus musculus] [M.musculus], KIAA1828 protein, cadherin EGF LAG seven-pass G-type receptor 1, cadherin EGF LAG seven-pass G-type receptor 3 |
| 1243 | 20133 | AF087697 | XX, YY | | ESTs, Weakly similar to calcium/calmodulin-dependent serine protein kinase [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2810038M04 gene, RIKEN cDNA 5430426E14 gene, calcium/calmodulin-dependent serine protein kinase, calcium/calmodulin-dependent serine protein kinase (MAGUK family), membrane protein, palmitoylated (55 kDa), membrane protein, palmitoylated 1 (55kD), membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3) |
| 3447 | 20248 | NM_022205 | III, JJJ | | ESTs, Weakly similar to CXG chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4 |
| 3447 | 20249 | NM_022205 | SS, EEE, MMM | | ESTs, Weakly similar to CXG chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4 |
| 3953 | 15029 | NM_133583 | NN, FFF, General Core Tox Markers | | ESTs, Weakly similar to development-related protein [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to NDRG family, member 4, clone MGC:7067 IMAGE:3156802, mRNA, complete cds, N-myc downstream regulated 2, N-myc downstream regulated 3, N-myc downstream regulated gene 1, RIKEN cDNA 1110025J03 gene, development-related protein |
| 3953 | 16993 | NM_133583 | A, B, H, NN, OO, FFF, III, JJJ, PPP, QQQ, General Core Tox Markers | | ESTs, Weakly similar to development-related protein [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to NDRG family, member 4, clone MGC:7067 IMAGE:3156802, mRNA, complete cds, N-myc downstream regulated 2, N-myc downstream regulated 3, N-myc downstream regulated gene 1, RIKEN cDNA 1110025J03 gene, development-related protein |
| 502 | 6967 | AA891810 | S | | ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3956746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13 |

TABLE 3
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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 502 | 6968 | AA891810 | M | | ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3956746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13 |
| 1803 | 5967 | A1102520 | EEE, MMM | | ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1 |
| 1803 | 5969 | A1102520 | EEE, MMM | | ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein |
| 3514 | 24458 | NM_022706 | L, LL | | ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein |
| 3546 | 15779 | NM_024163 | RR | | ESTs, Weakly similar to gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon [Mus musculus] [M.musculus], RIKEN cDNA 0610038H21 gene, RIKEN cDNA 1600029D21 gene, gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon, tight junction protein 4 (peripheral) |
| 1669 | 12243 | A1070133 | RR | | ESTs, Weakly similar to histone acetyltransferase [Mus musculus] [M.musculus], histone acetyltransferase, monocytic leukemia zinc finger protein-related factor |
| 1317 | 11322 | A1009492 | CC, UUU | | ESTs, Weakly similar to hypothetical protein [Homo sapiens] [H.sapiens] |

TABLE 3
 Attorney DocId:44921-5030-01WO
 Document No. 193523.1

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 1217 | 1058 | AF003835 | B, XX, YY | | ESTs, Weakly similar to isopentenyl-diphosphate delta isomerase [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to isopentenyl-diphosphate delta isomerase, clone MGC:8139 IMAGE:3589498, mRNA, complete cds, diphosphate dimethylallyl diphosphate isomerase 2, isopentenyl-diphosphate delta isomerase |
| 2740 | 7691 | A1236611 | Y | | ESTs, Weakly similar to isopentenyl-diphosphate delta isomerase [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to isopentenyl-diphosphate delta isomerase, clone MGC:8139 IMAGE:3589498, mRNA, complete cds, diphosphate dimethylallyl diphosphate isomerase 2, isopentenyl-diphosphate delta isomerase |
| 1441 | 1205 | A1013107 | D, V | | ESTs, Weakly similar to kinesin family member 3C [Rattus norvegicus] [R.norvegicus], kinesin family member 3B, kinesin family member 3C, kinesin family member 3b, kinesin family member 3c |
| 1469 | 15904 | A1013971 | QQ | | ESTs, Weakly similar to L1 cell adhesion molecule [Mus musculus] [M.musculus], ESTs, Weakly similar to A41060 neural cell adhesion molecule L1 precursor [H.sapiens], ESTs, Weakly similar to S36126 neural cell adhesion molecule L1 - rat [R.norvegicus], L1 cell adhesion molecule, L1 cell adhesion molecule (hydrocephalus, stenosis of aqueduct of Sylvius 1, MASA (mental retardation, aphasia, shuffling gait and adducted thumbs) syndrome, spastic paraplegia 1), close homolog of L1, neuronal cell adhesion molecule |
| 224 | 15668 | AA819643 | IK | | ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], ESTs, Weakly similar to A53621 AMP-activated protein kinase - rat [R.norvegicus], ESTs, Weakly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [M.musculus], G-protein-coupled receptor induced protein GIG2, Homo sapiens, clone MGC:13661 IMAGE:4286367, mRNA, complete cds, SNF related kinase, SNF1-like kinase, phosphoprotein regulated by mitogenic pathways, protein kinase, AMP-activated, alpha 2 catalytic subunit |

TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster Title |
|--------|-------------|---------------------------|------------|----------------------------------|--|
| 630 | 3880 | AA893247 | LL | | ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus], MAP/microtubule affinity-regulating kinase 3, Mus musculus, clone MGC:36574 IMAGE:5098034, mRNA, complete cds, PAS domain containing serine/threonine kinase, serine/threonine kinase 22C (spermiogenesis associated) |
| 1343 | 3882 | A1010191 | D, U | | ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], MAP/microtubule affinity-regulating kinase 3, Mus musculus, clone MGC:36574 IMAGE:5098034, mRNA, complete cds, PAS domain containing serine/threonine kinase, serine/threonine kinase 22C (spermiogenesis associated) |
| 3593 | 16104 | NM_031058 | D | | ESTs, Weakly similar to mismatch repair protein [Rattus norvegicus] [R.norvegicus], mutS homolog 2 (E. coli), mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli), mutS homolog 3 (E. coli), mutS homolog 4 (E. coli), mutS homolog 5 (E. coli), mutS homolog 6 (E. coli) |
| 3593 | 16106 | NM_031058 | T | | ESTs, Weakly similar to mismatch repair protein [Rattus norvegicus] [R.norvegicus], mutS homolog 2 (E. coli), mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli), mutS homolog 3 (E. coli), mutS homolog 4 (E. coli), mutS homolog 5 (E. coli), mutS homolog 6 (E. coli) |
| 3468 | 23178 | NM_022395 | D, SS | | ESTs, Weakly similar to mitochondrial processing peptidase beta [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3110004O18 gene, peptidase (mitochondrial processing) beta, ubiquinol-cytochrome c reductase core protein 1, ubiquinol-cytochrome c reductase core protein 1 |
| 2162 | 22105 | A1175221 | RR | | ESTs, Weakly similar to mitochondrial ribosomal protein L16 [Homo sapiens] [H.sapiens], mitochondrial ribosomal protein L16 |
| 3583 | 16561 | NM_031020 | DD, EE | | ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14 |

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TABLE 3 Attorney Docket 44921-5038-01WO Document No. 1933823.1

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|---|
| 3583 | 16562 | NM_031020 | E, T, DD | | ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14 |
| 3583 | 16564 | NM_031020 | E, W, TT | | ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14 |
| 3719 | 15265 | NM_031981 | Q, R | | ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene |
| 3719 | 15266 | NM_031981 | Q, R | | ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene |
| 3719 | 15267 | NM_031981 | WW | | ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene |
| 3396 | 5264 | NM_019340 | JJ, KK | | ESTs, Weakly similar to regulator of G-protein signaling 3 [Rattus norvegicus] [R.norvegicus], GTP-rho binding protein 1, hypothetical protein FLJ22938, regulator of G protein signaling 3 |
| 3796 | 21445 | NM_053587 | W, BB | | ESTs, Weakly similar to S100 calcium-binding protein A9 (calgranulin B); intracellular calcium-binding protein (MRP14) [Rattus norvegicus] [R.norvegicus], S100 calcium binding protein A13, S100 calcium binding protein A7 (psoriasin 1), S100 calcium binding protein A9 (calgranulin B) |
| 3410 | 24066 | NM_019384 | UU | | ESTs, Weakly similar to Ser/Arg-related nuclear matrix protein; plenty-of-prolines-101; serine/arginine repetitive matrix protein 1 [Mus musculus] [M.musculus], ESTs, Weakly similar to A35938 profilaggrin [H.sapiens], ESTs, Weakly similar to A55817 cyclin-dependent kinase p130-PITSLRE - mouse [M.musculus], Mus musculus, Similar to hypothetical protein MGC13125, clone MGC:38070 IMAGE:5252666, mRNA, complete cds, expressed sequence A1480556, expressed sequence AW742389, glucocorticoid-induced gene 1, serine arginine-rich pre-mRNA splicing factor SR-A1, serine/arginine repetitive matrix 1, serine/arginine repetitive matrix 2, splicing factor, arginine/serine-rich 2, interacting protein |

TABLE 3 Attorney Docket 44921-5038-01WO Document No. 1935328.1

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------|----------------------------------|---|
| 1581 | 5711 | A1045151 | GGG, HHH, General Alternate | | ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus], KIAA0446 gene product, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, RIKEN cDNA 1300006L01 gene, expressed sequence AW491445, hypothetical protein FLJ13044, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 13, solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21, solute carrier family 25, (mitochondrial carrier), member 18, solute carrier family 25, member 13 (citrin) |
| 3721 | 19768 | NM_031986 | O, R | | ESTs, Weakly similar to syntenin [Rattus norvegicus] [R.norvegicus], syndecan binding protein, syndecan binding protein (syntenin), syndecan binding protein (syntenin) 2 |
| 3835 | 20421 | NM_053821 | O, P, W | | ESTs, Weakly similar to v-ral simian leukemia viral oncogene homolog B (ras related) [Rattus norvegicus] [R.norvegicus], v-ral simian leukemia viral oncogene homolog B (ras related), v-ral simian leukemia viral oncogene homolog B (ras related); GTP binding protein |
| 1955 | 22598 | A1137506 | U, BB, EEE, MMM | | ESTs, Weakly similar to 1313184B alpha1 antitrypsin [H.sapiens], ESTs, Weakly similar to A29035 thyroid hormone-regulated proteinase inhibitor - rat (fragment) [R.norvegicus] |
| 4094 | 2686 | U08214 | Q, R | | ESTs, Weakly similar to 2019405A upstream regulator element-binding protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1110018G07 gene, RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene, expressed sequence AW212605, upstream regulatory element binding protein 1 |

TABLE 3 Attorney Docket 44924-5038-01WO Document No. 1995828.1

| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------|----------------------------------|---|
| 4132 | 2685 | U47312 | Q, R, PP, QQ | | ESTs, Weakly similar to 2019405A upstream regulator element-binding protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1110018G07 gene, RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene, expressed sequence AW212605, upstream regulatory element binding protein 1 |
| 3578 | 8815 | NM_030991 | W | | ESTs, Weakly similar to 2122252A Lasp-1 protein [H.sapiens], LIM and SH3 protein 1, RIKEN cDNA 1200007O21 gene |
| 3729 | 8817 | NM_032613 | L, W, AA, CC | | ESTs, Weakly similar to 2122252A Lasp-1 protein [H.sapiens], LIM and SH3 protein 1, RIKEN cDNA 1200007O21 gene |
| 3882 | 921 | NM_057125 | KKK | | ESTs, Weakly similar to 2204387A peroxisome assembly factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], RIKEN cDNA 4833413G10 gene, expressed sequence AI195026, peroxisomal biogenesis factor 6, peroxisome biogenesis factor 1, valosin containing protein |
| 3310 | 18445 | NM_017220 | F, L | | ESTs, Weakly similar to A26882 pIL2 hypothetical protein - rat [R.norvegicus], ESTs, Weakly similar to AF191020 1 E2IG5 [H.sapiens], RIKEN cDNA 2310056P07 gene, RIKEN cDNA 9430073N08 gene, hypothetical protein, estradiol-induced |
| 912 | 1798 | AA945569 | E, Y, MM, NNN, TTT | | ESTs, Weakly similar to A2MG MOUSE ALPHA-2-MACROGLOBULIN PRECURSOR [M.musculus], Mus musculus GPI-anchored alpha-2 macroglobulin-related protein mRNA, complete cds, alpha-2-macroglobulin |
| 3038 | 1138 | M76740 | RR, SS | | ESTs, Weakly similar to A39321 mucin - rat [R.norvegicus], mucin 17, mucin 3, intestinal, mucin 3B, silver |
| 3038 | 25446 | M76740 | D, SS | | ESTs, Weakly similar to A39321 mucin - rat [R.norvegicus], mucin 17, mucin 3, intestinal, mucin 3B, silver |
| 3815 | 5798 | NM_053719 | T | | ESTs, Weakly similar to A46506 leukocyte activation antigen M6 [H.sapiens], basigin (OK blood group), embigin |

TABLE 3

| Seq. ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|---|----------------------------------|---|
| 4048 | 1753 | NM_153318 | II, III, JJJ, KKK, General Core Tox Markers | | ESTs, Weakly similar to A46661 leukotriene B4 omega-hydroxylase [H.sapiens], ESTs, Weakly similar to CYP4B1 [M.musculus], RIKEN cDNA A230105L22 gene, cytochrome P450 CYP4F13, cytochrome P450, subfamily IV B, polypeptide 1, cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase), expressed sequence AW1787289, expressed sequence AW108534, expressed sequence AW111961 |
| 2506 | 20055 | A1230762 | V, EEE, MMM | | ESTs, Weakly similar to A53742 calponin, acidic - rat [R.norvegicus], Homo sapiens, clone IMAGE:4669781, mRNA, partial cds |
| 1060 | 8430 | AA964033 | HHH | | ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) |
| 1232 | 8426 | AF036335 | JJ, KK, HHH | | ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) |
| 1232 | 8427 | AF036335 | B, HHH | | ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) |
| 1330 | 8431 | A1009761 | L | | ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) |

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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|--|
| 107 | 17997 | AA800671 | General Alternate | | ESTs, Weakly similar to A54854 Ras GTPase activating protein-related protein [H.sapiens] |
| 609 | 3438 | AA892921 | K, V | | ESTs, Weakly similar to A55143 calpain (EC 3.4.22.17) light chain - rat (fragment) [R.norvegicus], Mus musculus, Similar to grancalcin, EF-hand calcium binding protein, clone MGC:29240 IMAGE:5044040, mRNA, complete cds, RIKEN cDNA 2310005G05 gene, calpain, small subunit 1, programmed cell death 6, sorcin |
| 3843 | 18357 | NM_053864 | N | | ESTs, Weakly similar to A55190 transitional endoplasmic reticulum ATPase (EC 3.6.1.-) [validated] - rat [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence A1195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein |
| 3843 | 18358 | NM_053864 | ILL | | ESTs, Weakly similar to A55190 transitional endoplasmic reticulum ATPase (EC 3.6.1.-) [validated] - rat [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence A1195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein |
| 2976 | 695 | L41254 | F | | ESTs, Weakly similar to A55571 chloride conductance inducer Mat-8 [H.sapiens], FXYD domain-containing ion transport regulator 3, FXYD domain-containing ion transport regulator 4 |

TABLE 3 Attorney Docket 44921-5088-01WO Document No. 193528.1

| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 2178 | 23519 | AI175935 | UU | | ESTs, Weakly similar to A59300 myosin-If - mouse [M.musculus], ESTs, Weakly similar to S52517 myosin I heavy chain - rat [R.norvegicus], ESTs, Weakly similar to SH33_MOUSE SH3-CONTAINING GRB2-LIKE PROTEIN 3 (SH3 DOMAIN PROTEIN 2C) (SH3P13) [M.musculus], RIKEN cDNA 2310020N23 gene, RIKEN cDNA 9130023P14 gene, RIKEN cDNA C330006B10 gene, myosin IE, myosin IF, myosin If |
| 3474 | 2236 | NM_022512 | BBB, CCC | | ESTs, Weakly similar to ACYL-COA DEHYDROGENASE, SHORT-CHAIN SPECIFIC PRECURSOR [M.musculus], ESTs, Weakly similar to B34252 acyl-CoA dehydrogenase (EC 1.3.99.3) short-chain-specific precursor, hepatic - rat [R.norvegicus], RIKEN cDNA 2310016C19 gene, RIKEN cDNA 2410021P16 gene, acetyl-Coenzyme A dehydrogenase, short chain, acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain ESTs, Weakly similar to ADT1 MOUSE ADP, ATP CARRIER PROTEIN, HEART/SKELETAL MUSCLE ISOFORM T1 [M.musculus], Mus musculus, Similar to RIKEN cDNA 1700066C05 gene, clone MGC:28125 IMAGE:3980327, mRNA, complete cds, RIKEN cDNA 1700034J06 gene, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4 |
| 2846 | 19053 | D12770 | ZZ, AAA | | |
| 3455 | 6263 | NM_022251 | EEE, III, JJJ, MMM, OOO, General Core Tox Markers, General Alternate | | ESTs, Weakly similar to AMPE MOUSE GLUTAMYL AMINOPEPTIDASE [M.musculus], aminopeptidase puromycin sensitive, glutamyl aminopeptidase, glutamyl aminopeptidase (aminopeptidase A), puromycin-sensitive aminopeptidase |
| 2832 | 8106 | A1639534 | M, LL | | ESTs, Weakly similar to ATS4_RAT ADAMTS-4 precursor (A disintegrin and metalloproteinase with thrombospondin motifs 4) (ADAM-TS 4) (ADAM-TS4) (Aggrecanase 1) [R.norvegicus], RIKEN cDNA 2010109H09 gene, a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4, properdin factor, complement |

TABLE 3 Attorney Docket 44921-5038-01WO Document No. 1935928.1

| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------|----------------------------------|--|
| 3816 | 15269 | NM_053739 | PP, QQ, DDD, HHH | | ESTs, Weakly similar to BCN1_MOUSE Beclin 1 (Coiled-coil myosin-like BCL2-interacting protein) [M.musculus], RIKEN cDNA 4921513J16 gene, beclin 1 (coiled-coil, myosin-like BCL2 interacting protein), beclin 1 (coiled-coil, myosin-like BCL2-interacting protein) |
| 3393 | 1099 | NM_019303 | W, CC, General Core Tox Markers | | ESTs, Weakly similar to C2F1_HUMAN CYTOCHROME P450 2F1 [H.sapiens], cytochrome P450 monooxygenase CYP2T1, cytochrome P450, 2f2, cytochrome P450, subfamily 1F, polypeptide 1 |
| 3759 | 16018 | NM_053401 | GG, ZZ, AAA | | ESTs, Weakly similar to C35826 hypothetical 13K protein A [H.sapiens], X-linked protein, brain expressed X-linked 2, nerve growth factor receptor (TNFRSF16) associated protein 1, reduced expression 3 |
| 3390 | 24883 | NM_019293 | OO, General Core Tox Markers | | ESTs, Weakly similar to CAH5_RAT Carbonic anhydrase VA, mitochondrial precursor (Carbonate dehydratase VA) (CA-VA) [R.norvegicus], carbonic anhydrase 11, carbonic anhydrase 5a, mitochondrial, carbonic anhydrase 5b, mitochondrial, carbonic anhydrase VA, mitochondrial, carbonic anhydrase VB, mitochondrial |
| 3497 | 20944 | NM_022597 | W, EEE, MMM | | ESTs, Weakly similar to CATB_MOUSE CATHEPSIN B PRECURSOR [M.musculus], cathepsin B |
| 189 | 4491 | AA818798 | O, P, V, WV | | ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819 |
| 303 | 4490 | AA851184 | O, P, WV, HHH | | ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819 |
| 2619 | 10378 | A1233300 | K | | ESTs, Weakly similar to CO5_MOUSE COMPLEMENT C5 PRECURSOR [M.musculus], complement component 5, hemolytic complement |
| 236 | 230 | AA819870 | YY, PPP, QQQ | | ESTs, Weakly similar to CO9_MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous (Known Gene Name) | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|------------------------------------|--|
| 4107 | 228 | U20194 | H, K, DD, EE, UUU, General Alternate | | ESTs, Weakly similar to CO9 MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide |
| 4107 | 229 | U20194 | S, Z, AA, BBB, CCC, PPP, QQQ, RRR | | ESTs, Weakly similar to CO9 MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide |
| 944 | 20832 | AA946040 | F | | ESTs, Weakly similar to COXG MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE VIB [M.musculus], Homo sapiens, hypothetical gene LOC125965, clone MGC:33640 IMAGE:4827471, mRNA, complete cds |
| 1857 | 20833 | A1104035 | SS | | ESTs, Weakly similar to COXG MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE VIB [M.musculus], Homo sapiens, hypothetical gene LOC125965, clone MGC:33640 IMAGE:4827471, mRNA, complete cds |
| 640 | 1562 | AA893552 | A, F, G, V, SSS, General Alternate | | ESTs, Weakly similar to CPI3_RAT CONTRAPSIN-LIKE PROTEASE INHIBITOR 3 PRECURSOR (CPI-23) (SERINE PROTEASE INHIBITOR 1) (SPI-1) [R.norvegicus], serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, serine protease inhibitor 2, serine protease inhibitor 2, related sequence 1 |
| 4126 | 255 | U39206 | F, FFF, General Alternate | | ESTs, Weakly similar to CYP4B1 [M.musculus], cytochrome P450 CYP4F13, cytochrome P450, subfamily IV B, polypeptide 1, cytochrome P450, subfamily IVF, polypeptide 2, expressed sequence A1787289, expressed sequence AW108534 |
| 3411 | 20716 | NIM_019623 | N, EEE, HHH, MMM, PPP, QQQ, General Alternate | | ESTs, Weakly similar to CYP4B1 [M.musculus], RIKEN cDNA 1810054N16 gene, cytochrome P450, subfamily IVF, polypeptide 14 (leukotriene B4 omega hydroxylase), cytochrome P450, subfamily IVF, polypeptide 2, cytochrome P450, subfamily IVF, polypeptide 8, expressed sequence AW108534, expressed sequence AW111961 |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--------------------------|----------------------------------|--|
| 3221 | 1797 | NM_013105 | K, L, TT, DDD | | ESTs, Weakly similar to cytochrome P450 3A13 [M.musculus], Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3 |
| 3995 | 21915 | NM_138910 | Z, AA, OO | | ESTs, Weakly similar to DAD1_HUMAN Defender against cell death 1 (DAD-1) [R.norvegicus], defender against cell death 1 |
| 3995 | 21916 | NM_138910 | OO | | ESTs, Weakly similar to DAD1_HUMAN Defender against cell death 1 (DAD-1) [R.norvegicus], defender against cell death 1 |
| 318 | 4941 | AA851650 | CCC | | ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens], death-associated protein |
| 3478 | 4940 | NM_022526 | U, BBB | | ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens], death-associated protein |
| 3555 | 9929 | NM_024392 | U, EE, XX, YY, RRR, SSS | | ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4 |
| 3555 | 9931 | NM_024392 | U, RRR, SSS | | ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4 |
| 3555 | 25070 | NM_024392 | U, FF, LL, CCC, RRR, SSS | | ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4 |

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| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 3952 | 1183 | NM_133578 | Q | | ESTs, Weakly similar to DUS5_RAT Dual specificity protein phosphatase 5 (MAP-kinase phosphatase CPG21) [R.norvegicus], ESTs, Weakly similar to I49365 protein tyrosine phosphatase - mouse [M.musculus], Mus musculus, clone MGC:11703 IMAGE:3964527, mRNA, complete cds, RIKEN cDNA 0710001B24 gene, RIKEN cDNA 2310043K02 gene, RIKEN cDNA 2310076D10 gene, RIKEN cDNA 4930527G07 gene, dual specificity phosphatase 5, expressed sequence BB104621, hypothetical protein MGC1136, protein tyrosine phosphatase, non-receptor type 16 |
| 2451 | 6604 | A1229192 | General Core Tox Markers | | ESTs, Weakly similar to F47 MOUSE COAGULATION FACTOR VII PRECURSOR [M.musculus], coagulation factor IX, coagulation factor X, proline-rich Gla (G-carboxyglutamic acid) polypeptide 1, protein Z, vitamin K-dependent plasma glycoprotein |
| 424 | 16013 | AA866482 | Q, R, PPP, QQQ | | ESTs, Weakly similar to FGD1 MOUSE PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR [M.musculus], Mus musculus actin-binding protein frabin-alpha mRNA, complete cds, RIKEN cDNA 5830461L01 gene, faciogenital dysplasia (Aarskog-Scott syndrome), faciogenital dysplasia homolog |
| 435 | 20701 | AA875097 | E, V, W, Z, AA, BB, CC, OO, PP, SS, UU, EEE, III, KKK, LLL, MMM, UUU | | ESTs, Weakly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, expressed sequence AI303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide |
| 1039 | 24135 | AA957736 | S | | ESTs, Weakly similar to FIBULIN-1, ISOFORM C PRECURSOR [M.musculus], Homo sapiens cDNA FLJ23816 fis, clone HSI02685, Homo sapiens cDNA FLJ32009 fis, clone NT2RP7009498, weakly similar to FIBULIN-1, ISOFORM A PRECURSOR, Mus musculus mRNA for CRTAC1-B protein (CRTAC1 gene), RIKEN cDNA 5730592L21 gene, fibulin 5 |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------|----------------------------------|---|
| 3905 | 23550 | NM_080698 | D | | ESTs, Weakly similar to FMOD_HUMAN FIBROMODULIN PRECURSOR [H.sapiens], fibromodulin, fibronectin leucine rich transmembrane protein 1, fibronectin leucine rich transmembrane protein 2, fibronectin leucine rich transmembrane protein 3, hypothetical protein FLJ23447 |
| 1356 | 15624 | A1010449 | K | | ESTs, Weakly similar to FRP_MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1 |
| 3552 | 15623 | NM_024369 | K, Y | | ESTs, Weakly similar to FRP_MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1 |
| 1584 | 5723 | A1045191 | PPP, QQQ | | ESTs, Weakly similar to FSPO_RAT F-SPONDIN PRECURSOR [R.norvegicus], Homo sapiens RPE-spondin (RPESP) mRNA, partial cds, Homo sapiens cDNA: FLJ22401 f1, clone HRC08032, highly similar to AB027466 Homo sapiens SPON2 mRNA for spondin 2, spondin 1, (f-spondin) extracellular matrix protein, spondin 2, extracellular matrix protein |
| 2260 | 14083 | A1177181 | General Core Tox Markers | | ESTs, Weakly similar to FYV1_MOUSE FYVE FINGER-CONTAINING PHOSPHOINOSITIDE KINASE [M.musculus], MAD, mothers against decapentaplegic homolog (Drosophila) interacting protein, receptor activation anchor, RIKEN cDNA 1110013H04 gene, myotubularin related protein 3, phosphatidylinositol-4-phosphate 5-kinase, type III |
| 2837 | 6601 | AJ131902 | S, Z, AA | | ESTs, Weakly similar to GAS7_MOUSE GROWTH-ARREST-SPECIFIC PROTEIN 7 (GAS-7) [M.musculus], ESTs, Weakly similar to GAS7_RAT Growth-arrest-specific protein 7 (GAS-7) [R.norvegicus], Homo sapiens, Similar to proline-serine-threonine phosphatase-interacting protein 2, clone MGC:9914 IMAGE:3871158, mRNA, complete cds, KIAA0290 protein, RIKEN cDNA 3322402E17 gene, growth arrest specific 7, growth arrest-specific 7, proline-serine-threonine phosphatase interacting protein 1, proline-serine-threonine phosphatase-interacting protein 1, proline-serine-threonine phosphatase-interacting protein 2 |

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| Seq ID | CLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------|----------------------------------|--|
| 1952 | 7122 | A1137468 | E, PP, JJJ | | ESTs, Weakly similar to GPV_RAT Platelet glycoprotein V precursor (GPV) (CD42D) [R.norvegicus], Platelet glycoprotein 5, RIKEN cDNA 1300018K11 gene, RIKEN cDNA 2610528G05 gene, RIKEN cDNA 5430427N11 gene, carboxypeptidase N, polypeptide 2, 83kD, glycoprotein 5 (platelet), glycoprotein V (platelet), hypothetical protein FLJ12568, leucine-rich alpha-2-glycoprotein |
| 1423 | 20817 | A1012589 | G | | ESTs, Weakly similar to GTP_RAT Glutathione S-transferase P (GST 7-7) (Chain 7) (GST class-pi) [R.norvegicus], Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2 |
| 4184 | 20818 | X02904 | G | | ESTs, Weakly similar to GTP_RAT Glutathione S-transferase P (GST 7-7) (Chain 7) (GST class-pi) [R.norvegicus], Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2 |
| 4015 | 9775 | NM_139334 | Z, WW | | ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5 |
| 4015 | 9776 | NM_139334 | I, J | | ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5 |
| 4015 | 9778 | NM_139334 | JJ, KK | | ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5 |
| 3916 | 11421 | NM_130405 | K | | ESTs, Weakly similar to I49140 p62 ras-GAP associated phosphoprotein - mouse [M.musculus], Homo sapiens Sam68-like mammalian protein 1 (SLM1) mRNA, complete cds, KH domain containing, RNA binding, signal transduction associated 1, homolog of mouse quaking QKI (KH domain RNA binding protein), quaking |
| 3916 | 12035 | NM_130405 | O, P | | ESTs, Weakly similar to I49140 p62 ras-GAP associated phosphoprotein - mouse [M.musculus], Homo sapiens Sam68-like mammalian protein 1 (SLM1) mRNA, complete cds, KH domain containing, RNA binding, signal transduction associated 1, homolog of mouse quaking QKI (KH domain RNA binding protein), quaking |
| 2714 | 7604 | A1236039 | OO | | ESTs, Weakly similar to I56519 taipoxin-associated calcium binding protein-49 precursor - rat [R.norvegicus], Homo sapiens cDNA FLJ14474 fis, clone MAMMA1001256, calumenin, reticulocalbin 1, EF-hand calcium binding domain, reticulocalbin 2, reticulocalbin 2, EF-hand calcium binding domain |

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| Seq ID | CLCG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-----------------------------|----------------------------------|--|
| 1251 | 11251 | AI007666 | EE | | ESTs, Weakly similar to JC4647 KW8 protein - rat [R.norvegicus], ESTs, Weakly similar to JC4688 neuro D-related factor - mouse [M.musculus], basic helix-loop-helix domain containing, class B, 4, hypothetical protein FLJ14708, neurogenic differentiation 2, neurogenic differentiation 4, oligodendrocyte lineage transcription factor 2 |
| 686 | 22981 | AA899455 | Z, AA, SS | | ESTs, Weakly similar to JC4863 homeobox protein zhx-1 - mouse [M.musculus], KIAA0854 protein, KIAA1443 protein, triple homeobox 1, zinc fingers and homeoboxes protein 1 |
| 219 | 6281 | AA819517 | U, SSS, UUU | | ESTs, Weakly similar to JC5707 HYA22 protein [H.sapiens], hypothetical protein BC010736 |
| 1377 | 12629 | AI011492 | F | | ESTs, Weakly similar to JC5707 HYA22 protein [H.sapiens], hypothetical protein BC010736 |
| 1046 | 5952 | AA963102 | I, J, WW, General Alternate | | ESTs, Weakly similar to JC7328 amino acid transporter A1 [H.sapiens], Homo sapiens clone 24674 mRNA sequence, solute carrier family 38, member 1, solute carrier family 38, member 2 |
| 2081 | 5953 | AI171231 | C, I, MM, TTT | | ESTs, Weakly similar to JC7328 amino acid transporter A1 [H.sapiens], Homo sapiens clone 24674 mRNA sequence, solute carrier family 38, member 1, solute carrier family 38, member 2 |
| 710 | 17849 | AA900460 | GGG | | ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 2 (beta), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 2 (beta), chaperonin subunit 7 (eta), expressed sequence AA408524, expressed sequence AL024346, t-complex protein 1 |
| 1815 | 17850 | AI102750 | GGG | | ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 2 (beta), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 2 (beta), chaperonin subunit 7 (eta), expressed sequence AA408524, expressed sequence AL024346, t-complex protein 1 |

TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) (Nrf2) [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to chromosome 16 open reading frame 44, clone MGC:37805 IMAGE:5098064, mRNA, complete cds, Mus musculus, Similar to hypothetical protein FLJ11078, clone MGC:38024 IMAGE:5151231, mRNA, complete cds, RIKEN cDNA 1200009K10 gene, kelch-like ECH-associated protein 1 |
|--------|-------------|--------------------------|------------|----------------------------------|---|--|
| 1977 | 14259 | A1145037 | PP, QQ | | ESTs, Weakly similar to LBP MOUSE LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR [M.musculus], bactericidal/permeability-increasing protein, cholesterol ester transfer protein, plasma, lipopolysaccharide binding protein, phospholipid transfer protein | |
| 2097 | 18837 | A1171583 | G | | ESTs, Weakly similar to LCB1_HUMAN SERINE PALMITOYLTRANSFERASE 1 [H.sapiens] | |
| 559 | 8159 | AA892380 | F | | ESTs, Weakly similar to MCAT_Human Mitochondrial Carnitine/acylcarnitine carrier protein, ESTs, Weakly similar to PM34_mouse peroxisomal membrane protein PMP34, ESTs, Weakly similar to TOTP_human tricarbonylate transport protein precursor, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, Mus musculus, Similar to hypothetical protein FLJ20551, clone MGC:18873 IMAGE:4235245, RIKEN cDNA 1300019P08 gene, expressed sequence A1194714, expressed sequence AW108044, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier; citrate transporter) member 1, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15, uncoupling protein 2, mitochondrial | |
| 1042 | 23541 | AA957999 | WW | | ESTs, Weakly similar to methyl-CpG binding protein MBD2 [H.sapiens], methyl-CpG binding domain protein 2 | |
| 951 | 19044 | AA946379 | BBB | | ESTs, Weakly similar to ML64_HUMAN MLN 64 PROTEIN [H.sapiens], RIKEN cDNA 4933429L05 gene, hypothetical protein MGC3251 | |
| 870 | 22392 | AA944269 | RRR | | | |

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| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------------|----------------------------------|---|
| 1408 | 3417 | AI012337 | General Alternate | | ESTs, Weakly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1 |
| 2167 | 3418 | AI175475 | MM, TTT, General Core Tox Markers | | ESTs, Weakly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1 |
| 1230 | 4292 | AF034896 | Z, AA | | ESTs, Weakly similar to OL15 MOUSE OLFACTORY RECEPTOR 15 [M.musculus], Homo sapiens cDNA FLJ32992 fis, clone THYMU1000098, Homo sapiens olfactory-like receptor mRNA, complete cds, RIKEN cDNA 493343119 gene, RIKEN cDNA 4933433E02 gene, olfactory receptor 15 |
| 3034 | 20207 | M64378 | RR | | ESTs, Weakly similar to OL15 MOUSE OLFACTORY RECEPTOR 15 [M.musculus], RIKEN cDNA 493343119 gene, RIKEN cDNA 4933433E02 gene, olfactory receptor 15, olfactory receptor 49, olfactory receptor sdolf |
| 3787 | 15829 | NM_053551 | ZZ, AAA | | ESTs, Weakly similar to PDK4_MOUSE [PYRUVATE DEHYDROGENASE [LIPOAMIDE]] KINASE ISOZYME 4, MITOCHONDRIAL PRECURSOR (PYRUVATE DEHYDROGENASE KINASE ISOFORM 4) [M.musculus], pyruvate dehydrogenase kinase 4, pyruvate dehydrogenase kinase, isoenzyme 4 |

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| Seq ID | CLGC ID No. | GenBank Acc. or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|--|----------------------------------|--|
| 2886 | 62 | E06822 | A, B, P, General Core Tox Markers, General Alternate | | ESTs, Weakly similar to PE2R_RAT 20-alpha-hydroxysteroid dehydrogenase (20-alpha-HSD) (HSD1) [R.norvegicus], Mus musculus, Similar to hydroxysteroid (17-beta) dehydrogenase 5, clone MGC:37825 IMAGE:5098938, mRNA, complete cds, aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), expressed sequence AW146047, expressed sequence AW557061, hydroxysteroid (17-beta) dehydrogenase 5 |
| 3974 | 61 | NM_138510 | General Alternate | | ESTs, Weakly similar to PE2R_RAT 20-alpha-hydroxysteroid dehydrogenase (20-alpha-HSD) (HSD1) [R.norvegicus], Mus musculus, Similar to hydroxysteroid (17-beta) dehydrogenase 5, clone MGC:37825 IMAGE:5098938, mRNA, complete cds, aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), expressed sequence AW146047, expressed sequence AW557061, hydroxysteroid (17-beta) dehydrogenase 5 |
| 3852 | 4588 | NM_053923 | II, General Alternate | | ESTs, Weakly similar to PK3G_RAT Phosphatidylinositol 3-kinase C2 domain-containing gamma polypeptide (Phosphoinositide 3-Kinase-C2-gamma) (PtdIns-3-kinase C2 gamma) (PI3K-C2gamma) [R.norvegicus], Homo sapiens cDNA FLJ12591 fis, clone NT2RM4001313, moderately similar to PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137), phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide, phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide, phosphoinositide-3-kinase, class 2, beta polypeptide, phosphoinositide-3-kinase, class 2, gamma polypeptide |
| 3775 | 9307 | NM_053491 | I, XX, YY | | ESTs, Weakly similar to plasmin [H.sapiens], lipoprotein, Lp(a), plasminogen, plasminogen-like |

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| Seq ID | CLCG ID No. | GenBank Acc.or. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|---------------------------|--|----------------------------------|--|
| 3775 | 25443 | NM_053491 | GGG, HHH, PPP, QQQ, UUU, General Alternate | | ESTs, Weakly similar to plasmin [H.sapiens], lipoprotein, Lp(a), plasminogen, plasminogen-like |
| 4042 | 12700 | NM_152936 | F | | ESTs, Weakly similar to PSG1 MOUSE PROSTATIC SECRETORY GLYCOPROTEIN PRECURSOR [M.musculus], RIKEN cDNA 2310065D10 gene, serine protease inhibitor, Kazal type 1, serine protease inhibitor, Kazal type 3 |
| 2885 | 238 | E03859 | VV | | ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496 |
| 3035 | 239 | M75153 | D | | ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496 |
| 3035 | 240 | M75153 | FF, LL | | ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496 |
| 3604 | 20807 | NM_031106 | F, T, U, FFF | | ESTs, Weakly similar to R6RT37 ribosomal protein L37, cytosolic [validated] - rat [R.norvegicus], RIKEN cDNA 1500002F19 gene, RIKEN cDNA 3110005M08 gene, ribosomal protein L37 |
| 1466 | 7299 | A1013911 | C, G, H, General Core Tox Markers | | ESTs, Weakly similar to RBM3 MOUSE PUTATIVE RNA-BINDING PROTEIN 3 [M.musculus], Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310074E15:RNA binding motif protein 3, full insert sequence, RNA binding motif protein 3, RNA binding motif protein, X chromosome, RNA binding motif protein, X chromosome retrogene, cold inducible RNA binding protein, cold inducible RNA-binding protein |

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| Seq ID | GLCC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|--|
| 2144 | 23390 | A1172328 | G, GGG | | ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila) |
| 3559 | 23387 | NM_024404 | E | | ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila) |
| 3559 | 23388 | NM_024404 | C | | ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila) |
| 3559 | 25682 | NM_024404 | MM, TTT | | ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila) |

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| Seq ID | CLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------|----------------------------------|---|
| 1223 | 1308 | AF022774 | HHH | | ESTs, Weakly similar to RP3A_RAT Rabphilin-3A [R.norvegicus], Mus musculus, clone IMAGE:3963643, mRNA, partial cds, RIKEN cDNA 6530413F01 gene, cDNA sequence AJ430384, membrane bound C2 domain containing protein, rabphilin 3A, rabphilin 3A-like (without C2 domains) |
| 3713 | 1475 | NM_031971 | A, B, Q | | ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A11 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence AI266795 |
| 4044 | 20784 | NM_153308 | Z, AA, HH, WW | | ESTs, Weakly similar to S19586 N-methyl-D-aspartate receptor glutamate-binding chain - rat [R.norvegicus], RIKEN cDNA 1110025J15 gene, RIKEN cDNA 2310061B02 gene, RIKEN cDNA 2900002L20 gene, Rattus norvegicus neural membrane protein 35 mRNA, complete cds |
| 1550 | 976 | A1044259 | Z, AA | | ESTs, Weakly similar to S21054 DNA-directed RNA polymerase [H.sapiens], Homo sapiens, Similar to RIKEN cDNA 4930521I23 gene, clone MGC:26816 IMAGE:4811804, mRNA, complete cds, lymphocyte antigen 64, polymerase (RNA) II (DNA directed) polypeptide A (220kD) |
| 569 | 11992 | AA892485 | MM, TTT | | ESTs, Weakly similar to S21766 dihydroipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus], Mus musculus, clone IMAGE:3586777, mRNA, partial cds, Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydroipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydroipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X |
| 2844 | 5050 | D10655 | UU, WW | | ESTs, Weakly similar to S21766 dihydroipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus], Mus musculus, clone IMAGE:3586777, mRNA, partial cds, Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydroipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydroipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------|----------------------------------|---|
| 3785 | 12496 | NM_053541 | XX, YY, RRR | | ESTs, Weakly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], expressed sequence A1848829, expressed sequence AL024237, low density lipoprotein receptor-related protein 3, low-density lipoprotein receptor-related protein 10 |
| 2864 | 959 | D38072 | DD, EE | | ESTs, Weakly similar to S48748 protein-tyrosine-phosphatase (EC 3.1.3.48), probable non-receptor type 12 splice form - rat [R.norvegicus], protein tyrosine phosphatase, non-receptor type 12, protein tyrosine phosphatase, non-receptor type 22 (lymphoid), protein tyrosine phosphatase, non-receptor type 8 |
| 1248 | 2947 | AF099093 | D | | ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) |
| 1248 | 20511 | AF099093 | Y | | ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) |
| 3290 | 13392 | NM_017148 | T | | ESTs, Weakly similar to S53580 cysteine-rich protein - rat [R.norvegicus], RIKEN cDNA 0610025L06 gene, cysteine and glycine-rich protein 1, cysteine rich protein |
| 2274 | 6315 | A1177645 | VV | | ESTs, Weakly similar to S69890 mitogen inducible gene mig-2 [H.sapiens], Homo sapiens cDNA: FLJ21712 fis, clone COL10231, chromosome 20 open reading frame 42, lysosomal amino acid transporter 1, mitogen inducible 2 |
| 1392 | 2516 | A1011843 | W | | ESTs, Weakly similar to SELX_MOUSE SELENOPROTEIN X 1 (SELENOPROTEIN R) [M.musculus], RIKEN cDNA 2310050L06 gene, selenoprotein R, selenoprotein X, 1 |
| 1095 | 2514 | AA964944 | UU, KKK | | ESTs, Weakly similar to SYHUQT multifunctional aminoacyl-tRNA ligase [H.sapiens] |

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| TABLE 3 | | Human Homologous Sequence Cluster Title | |
|---------|-------------|---|----------------------------------|
| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Human Homologous Known Gene Name |
| | | Model Code | |
| 1684 | 2838 | A1070511 | G, H |
| 1593 | 5877 | A1045768 | UUU |
| 1461 | 9885 | A1013878 | LL |
| 47 | 18227 | AA799641 | Z, AA |
| 1192 | 3710 | AA999064 | Q, R |
| 3494 | 20802 | NM_022592 | J, Y, FF |
| 3494 | 20803 | NM_022592 | J, X, BB, CC, HH |
| 3494 | 20804 | NM_022592 | X |
| 3979 | 20999 | NM_138548 | I, J |
| 3872 | 17431 | NM_054006 | LL |

ESTs, Weakly similar to SYV2_MOUSE VALYL-TRNA SYNTHETASE 2 (VALINE--TRNA LIGASE 2) (VALRS 2) [M.musculus], KIAA1885 protein, Mus musculus, clone IMAGE:3982770, mRNA, partial cds, expressed sequence A1035546, valyl-tRNA synthetase 2

ESTs, Weakly similar to T08692 hypothetical protein DKFZp564K112.1 [H.sapiens], HDCMA18P protein

ESTs, Weakly similar to T46332 hypothetical protein DKFZp434H0413.1 [H.sapiens], Homo sapiens, clone MGC:9709 IMAGE:3850147, mRNA, complete cds, KIAA1253 protein

ESTs, Weakly similar to T46332 hypothetical protein DKFZp434H0413.1 [H.sapiens], Homo sapiens, clone MGC:9709 IMAGE:3850147, mRNA, complete cds, KIAA1253 protein, expressed sequence AW121759, expressed sequence C86123

ESTs, Weakly similar to T47142 hypothetical protein DKFZp761P0724.1 [H.sapiens], KIAA0601 protein, chromosome 20 open reading frame 16

ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1

ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1

ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1

ESTs, Weakly similar to tumor metastasis inhibitor NM23 [M.musculus], Mus musculus, non-metastatic cells 1, protein (NM23A) expressed in, clone MGC:36664 IMAGE:5367221, mRNA, complete cds, non-metastatic cells 1, protein (NM23A) expressed in

ESTs, Weakly similar to UNR PROTEIN [R.norvegicus], Mus musculus, clone MGC:19174 IMAGE:4224466, mRNA, complete cds, NRAS-related gene

TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 3872 | 17433 | NM_054006 | N, UU | | ESTs, Weakly similar to UNR PROTEIN [R.norvegicus], Mus musculus, clone MGC:19174 IMAGE:4224466, mRNA, complete cds, NRAS-related gene |
| 3742 | 16364 | NM_053019 | A, B, H, I, GG, OOO, General Core Tox Markers | | ESTs, Weakly similar to V1AR MOUSE VASOPRESSIN V1A RECEPTOR [M.musculus], ESTs, Weakly similar to vasopressin receptor V1a, hepatic [R.norvegicus], arginine vasopressin receptor 1A |
| 3788 | 11843 | NM_053555 | ZZ, AAA | | ESTs, Weakly similar to VAM5_HUMAN VESICULE-ASSOCIATED MEMBRANE PROTEIN 5 (VAMP-5) (MYOBREVIN) (HSPC191) [H.sapiens], vesicle-associated membrane protein 5, vesicle-associated membrane protein 5 (myobrevin) |
| 1986 | 13167 | A1145832 | III, JJJ, OOO, General Core Tox Markers, General Alternate | | ESTs, Weakly similar to YCD1_HUMAN HYPOTHETICAL PROTEIN CGI-131 [H.sapiens], pilin-like transcription factor |
| 3400 | 4592 | NM_019356 | D, PPP, General Alternate | | eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD), eukaryotic translation initiation factor 2A |
| 320 | 19269 | AA851785 | S | | eukaryotic translation initiation factor 3, subunit 8 (110kD) |
| 2381 | 5481 | A1180170 | Z, AA | | eukaryotic translation termination factor 1 |
| 350 | 17334 | AA858704 | A, B, I, J, SS, General Core Tox Markers | | exostoses (multiple) 1, expressed sequence AA409028 |
| 1417 | 15443 | A1012480 | D | | exostoses (multiple) 2, expressed sequence A1893565 |
| 3701 | 11170 | NM_031833 | O, P, General Alternate | | expressed in non-metastatic cells 2, protein (NM23B) (nucleoside diphosphate kinase), non-metastatic cells 2, protein (NM23B) expressed in |
| 1235 | 17597 | AF051943 | O, P | | expressed in non-metastatic cells 6, protein (nucleoside diphosphate kinase), non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase), nucleoside diphosphate kinase type 6 (inhibitor of p53-induced apoptosis-alpha) |

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| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Modal Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 2728 | 5052 | AI236302 | ZZ, UUU | | expressed sequence AA408768, transthyretin, transthyretin (prealbumin, amyloidosis type I) |
| 3628 | 12682 | NM_031332 | M | | expressed sequence AA986766, organic cationic transporter-like 4, reduced in osteosclerosis transporter, solute carrier family 22 (organic anion transporter), member 8 |
| 3426 | 17324 | NM_021593 | L, GG, EEE, GGG, KKK, LLL, MMM, UUU, General | | expressed sequence AI046660, kynurenine 3-monoxygenase (kynurenine 3-hydroxylase) |
| 2933 | 293 | J05499 | GG, VV, GGG | | expressed sequence AI195532, liver mitochondrial glutaminase |
| 3194 | 24718 | NM_013003 | EE, JJ, KK | | expressed sequence AI255394, phosphatidylethanolamine N-methyltransferase |
| 2994 | 19255 | M15562 | X, OO | | expressed sequence AI323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha |
| 2994 | 19256 | M15562 | M, X, OO | | expressed sequence AI323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha |
| 519 | 17333 | AA891940 | EEE, MMM | | expressed sequence AI324259, ras homolog 9 (RhoC), ras homolog gene family, member C |
| 2542 | 4703 | AI231606 | C, KKK | | expressed sequence AI413471, hypothetical protein FLJ11838 |
| 3866 | 16809 | NM_053990 | B, W, BB, CC, DD, EE, JJ, NN, OO, PP, HHH, III, KKK, NNN, General Core Tox Markers, General Alternate | | expressed sequence AI462446, protein tyrosine phosphatase, non-receptor type 2 |

TABLE 3

| Seq ID | CLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3021 | 9223 | M36151 | X, Y, NN, OO, PP | | expressed sequence A1845868, histocompatibility 2, class II antigen A, beta 1, major histocompatibility complex, class II, DO beta, major histocompatibility complex, class II, DQ beta 1 |
| 3211 | 19335 | NM_013067 | FF | | expressed sequence AU018702, ribophorin I |
| 237 | 320 | AA819905 | U | | expressed sequence AU022220, stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 1, stearoyl-coenzyme A desaturase 3 |
| 4010 | 1301 | NM_139192 | S, XX | | expressed sequence AU022220, stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 1, stearoyl-coenzyme A desaturase 3 |
| 126 | 11166 | AA801346 | UU | | expressed sequence AU042020, plexin B1, plexin B2, plexin B3 |
| 1930 | 11165 | A1136372 | PPP, QQQ | | expressed sequence AU042020, plexin B1, plexin B2, plexin B3 |
| 191 | 7690 | AA818875 | HHH | | expressed sequence AV066530, guanylate cyclase activator 2B (uroguanylin), guanylate cyclase activator 2b (retina) |
| 961 | 1809 | AA946503 | E, V, W, BB, CC, VV, EEE, III, JJJ, MMM | | expressed sequence AW212229, lipocalin 2 (oncogene 24p3) |
| 510 | 16023 | AA891872 | OOO | | expressed sequence BB168308, nicotinamide nucleotide transhydrogenase |
| 2177 | 19004 | A1175875 | NN, OO | | fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal fatty acid synthase, hypothetical protein FLJ20604 |
| 1309 | 24249 | A1009273 | I, J, BB, CC | | fatty acid synthase, hypothetical protein FLJ20604 |
| 3343 | 24247 | NM_017332 | V | | fatty acid synthase, hypothetical protein FLJ20604 |
| 4258 | 16725 | X73371 | V, X, Y, LL, ZZ, AAA, LLL | | Fc fragment of IgG, low affinity IIb, receptor for (CD32), Fc receptor, IgG, low affinity IIb, Mus musculus FCRL mRNA, complete cds, expressed sequence A1528646, immunoglobulin superfamily receptor translocation associated 2 |
| 3541 | 1161 | NM_024153 | D | | ferredoxin reductase |
| 4147 | 1337 | U57715 | C | | FGF receptor activating protein 1, Mus musculus, Similar to FGF receptor activating protein 1, clone MGC:8108 IMAGE:3588752, mRNA, complete cds |
| 1315 | 19275 | A1009460 | O, P | | filamin A, alpha (actin binding protein 280) |
| 1401 | 13093 | A1012177 | T | | FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene |
| 1942 | 13090 | A1136977 | JJ, KK, KKK | | FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene |

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| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------|----------------------------------|---|
| 1942 | 13091 | A1136977 | T, W, JJ, KK | | FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene |
| 2539 | 13092 | A1231547 | T, W, DD, EE, JJ, UU, KKK | | FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene |
| 2275 | 21603 | A1177742 | PPP, QQQ | | FK506 binding protein 8 (38 kDa), FK506 binding protein 8 (38kD), RIKEN cDNA 6330408J23 gene |
| 1402 | 6547 | A1012181 | E, JJ, KK | | folypolyglutamate synthase, folypolyglutamyl synthetase |
| 2180 | 6549 | A1176002 | JJ | | folypolyglutamate synthase, folypolyglutamyl synthetase |
| 3135 | 13731 | NM_012755 | P | | FYN oncogene related to SRC, FGR, YES, Fyn proto-oncogene |
| 1369 | 13296 | A1011020 | YY | | FYVE zinc finger phosphatase, Mus musculus, clone IMAGE:3668035, mRNA, partial cds, Mus musculus, clone MGC:27983 IMAGE:3596732, mRNA, complete cds, X-linked myotubular myopathy gene 1, myotubular myopathy 1 |
| 3449 | 20276 | NM_022216 | SS | | G protein-coupled receptor 20, pyrimidinergic receptor P2Y, G-protein coupled, 4 |
| 2067 | 5968 | A1170692 | TT | | GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein |
| 2572 | 17566 | A1232301 | M | | GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein |
| 2651 | 12736 | A1233972 | JJJ | | gap junction membrane channel protein alpha 4, gap junction protein, alpha 4, 37kD (connexin 37) |
| 2369 | 23989 | A1179953 | PP | | gap junction protein, beta 2, 26kD (connexin 26) |
| 4209 | 23987 | X51615 | B, PP, QQ, HHH | | gap junction protein, beta 2, 26kD (connexin 26) |

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| Seq ID | GLGC ID No. | GenBank Accor. RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 2355 | 16656 | A1179634 | YY | | GASZ, Gasz, Mus musculus, Similar to hypothetical protein DKFZp564O043, clone MGC:36949 IMAGE:4946879, mRNA, complete cds, Mus musculus, Similar to regulatory factor X-associated ankyrin-containing protein, clone MGC:13787 IMAGE:4190691, mRNA, complete cds, RIKEN cDNA 4933400N19 gene, kinase D-interacting substance of 220 kDa, regulatory factor X-associated ankyrin-containing protein |
| 3940 | 19099 | NM_133417 | FF | | GCIIP-interacting protein p29, Homo sapiens, clone IMAGE:4042910, mRNA, partial cds |
| 2944 | 1336 | L01267 | PPP, QQQ | | general transcription factor IIF, polypeptide 2 (30kD subunit) |
| 1747 | 9399 | A1072812 | General Core Tox Markers | | glioma-amplified sequence-41 |
| 2534 | 22379 | A1231448 | X, Y, Z, RR, XX | | glucose phosphate isomerase, glucose phosphate isomerase 1 complex |
| 2681 | 22380 | A1235217 | Z, AA, NNN | | glucose phosphate isomerase, glucose phosphate isomerase 1 complex |
| 1489 | 7451 | A1029450 | E, DD, UU, III, JJJ, KKK, NNN, General Alternate | | glutaryl-prolyl-tRNA synthetase |
| 2667 | 16781 | A1234527 | M, GG, TT | | glutathione S-transferase A4, glutathione S-transferase, alpha 4 |
| 4242 | 16780 | X62660 | X, GG, II, XX, YY | | glutathione S-transferase A4, glutathione S-transferase, alpha 4 |
| 3763 | 6774 | NM_053410 | CC | | glyceronephosphate O-acyltransferase |
| 2054 | 11585 | A1170502 | PP, QQ, YY | | Glycogen synthase 2 (liver), Mus musculus, clone MGC:29379 IMAGE:5051685, mRNA, complete cds, glycogen synthase 1 (muscle), glycogen synthase 1, muscle, glycogen synthase 3, brain |
| 396 | 22374 | AA859804 | P | | GM2 ganglioside activator protein |
| 1845 | 2297 | A1103602 | GGG | | GM2 ganglioside activator protein |
| 1925 | 2296 | A112979 | GGG | | GM2 ganglioside activator protein |
| 2518 | 2299 | A1231094 | GGG | | GM2 ganglioside activator protein |

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| Seq ID | GLCC ID No. | Genbank Acc-or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 978 | 23542 | AA955389 | AA | | GRB2-related adaptor protein, GRB2-related adaptor protein 2, NCK adaptor protein 1, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor |
| 3568 | 18023 | NM_030846 | S | | GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor |
| 3568 | 18728 | NM_030846 | N, MM, PPP, QQQ, TTT | | GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor |
| 3913 | 16267 | NM_080896 | P, Q, R | | G-rich RNA sequence binding factor 1, expressed sequence AA407306, heterogeneous nuclear ribonucleoprotein F, heterogeneous nuclear ribonucleoprotein H1, heterogeneous nuclear ribonucleoprotein H1 (H), heterogeneous nuclear ribonucleoprotein H2 |
| 3567 | 1221 | NM_030845 | A, E, BB, CC, DD, EE, NN, OO, PP, EEE, III, KKK, MMM, NNN | | GRO1 oncogene, GRO2 oncogene, pro-platelet basic protein, pro-platelet basic protein (includes platelet basic protein, beta-thromboglobulin, connective tissue-activating peptide III, neutrophil-activating peptide-2), small inducible cytokine B subfamily (Cys-X-Cys), member 9 |
| 3876 | 16043 | NM_057100 | N, Z, AA, JJ, KK, UUU | | growth arrest specific 6, growth arrest-specific 6 |
| 3687 | 14184 | NM_031776 | V, UU | | guanine deaminase |
| 3687 | 14185 | NM_031776 | V, NN | | guanine deaminase |
| 447 | 15887 | AA875225 | PP, QQ | | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3 |
| 447 | 15888 | AA875225 | O, P, X, NN, OO, W, ZZ, AAA | | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3 |

TABLE 3

| Seq ID | GLCG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|--|----------------------------------|--|
| 3586 | 15886 | NM_031035 | ZZ, AAA | | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3 |
| 2390 | 7460 | AI180413 | N, HH, TT, XX, YY | | H factor (complement)-like 1, H factor (complement)-like 2, complement factor H related 3 |
| 4203 | 7459 | X15551 | V | | H factor (complement)-like 1, H factor (complement)-like 2, complement factor H related 3 |
| 2045 | 3579 | AI170314 | PPP, QQQ | | H factor (complement)-like 3, H factor 1 (complement), Mus musculus, clone MGC:30368 IMAGE:5135798, mRNA, complete cds, coagulation factor XIII, beta subunit, complement component factor h, complement factor H-related 4, expressed sequence AI194696, seizure related gene 6 |
| 1954 | 18943 | AI137495 | F, II | | H2A histone family, member C, H2A histone family, member D, H2A histone family, member I, H2A histone family, member L, H2A histone family, member N, H2A histone family, member O, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 IMAGE:5055276, mRNA, complete cds, expressed sequence R75370 |
| 3504 | 6121 | NM_022686 | GG | | H4 histone family, member D, H4 histone family, member H, H4 histone family, member I, H4 histone family, member J, H4 histone family, member K, Mus musculus, H4 histone family, member A, clone MGC:30488 IMAGE:4205460, mRNA, complete cds, histone 4 protein |
| 3505 | 20507 | NM_022687 | F | | hairy and enhancer of split 3, (Drosophila), hairy homolog (Drosophila) |
| 3851 | 8152 | NM_053908 | O | | hemopoietic cell phosphatase, protein tyrosine phosphatase, non-receptor type 13, protein tyrosine phosphatase, non-receptor type 6 |
| 1214 | 23417 | AB022209 | B, S, GGG, PPP, QQQ, General Alternate | | heterogeneous nuclear ribonucleoprotein F |
| 3898 | 8820 | NM_080399 | S, LLL | | HIF-1 responsive RTP801, Homo sapiens, Similar to RIKEN cDNA 1700037B15 gene, clone MGC:9960 IMAGE:3877854, mRNA, complete cds |

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Document No. 1935828.1

| Seq ID | CLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster title |
|--------|-------------|--------------------------|--------------------------------------|----------------------------------|--|
| 4177 | 23282 | U90725 | FF | | high density lipoprotein binding protein (Vigilin) |
| 612 | 3381 | AA892993 | X, CCC, SSS, UUU | | high mobility group 20 B, high-mobility group 20B |
| 275 | 14608 | AA849805 | U | | HLA-B associated transcript 5 |
| 2510 | 8036 | A1230884 | F, LLL, SSS, UUU | | HMBA-inducible |
| 2634 | 3816 | A1233729 | K, Q, UUU | | Homo sapiens cDNA FLJ10203 fis, clone HEMBA1004930, moderately similar to 26S PROTEASOME SUBUNIT S5B, proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 |
| 744 | 4944 | AA924405 | KK, HHH, General Core Tox Markers | | Homo sapiens cDNA FLJ11845 fis, clone HEMBA1006674, Mus musculus, Similar to hypothetical protein FLJ10350, clone MGC:27585 IMAGE:4489521, mRNA, complete cds, Mus musculus, Similar to neurofilament, heavy polypeptide (200kD), clone MGC:32399 IMAGE:5037953, mRNA, complete cds, nucleolar protein 5A (56kD with KKE/D repeat) |
| 3986 | 17530 | NM_138877 | R, BB, CC, JJ, KK, General Alternate | | Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH) |
| 3986 | 17531 | NM_138877 | General Alternate | | Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH) |
| 3986 | 17532 | NM_138877 | FFF, General Alternate | | Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH) |
| 3986 | 17533 | NM_138877 | I, J, FFF, General Alternate | | Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH) |

TABLE 3

| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------|----------------------------------|---|
| 3986 | 25039 | NM_138877 | KK, General Alternate | | Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH) |
| 842 | 7426 | AA943494 | MM, TTT | | Homo sapiens cDNA FLJ14666 fis, clone NT2RP2003000, weakly similar to TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, Homo sapiens cDNA FLJ30639 fis, clone CTONG2002803, Homo sapiens polymerase delta-interacting protein 1 mRNA, complete cds, MSTP028 protein, tumor necrosis factor, alpha-induced protein 1 (endothelial) |
| 2124 | 7642 | AI172045 | C, MM, TTT | | Homo sapiens cDNA FLJ14828 fis, clone OVARC1000915, highly similar to Homo sapiens histone deacetylase 5 mRNA, histone deacetylase 5, histone deacetylase 9 |
| 3798 | 20896 | NM_053592 | U, NNN | | Homo sapiens cDNA FLJ25344 fis, clone TST01087, RIKEN cDNA 5031412106 gene |
| 1636 | 8315 | AI059389 | SSS, UUU | | Homo sapiens cDNA FLJ30086 fis, clone BNGH4100002, moderately similar to ADENYLOSUCCINATE SYNTHETASE, MUSCLE ISOZYME (EC 6.3.4.4) |
| 366 | 6440 | AA859130 | Q, R, General Alternate | | Homo sapiens cDNA FLJ30116 fis, clone BRACE100042, weakly similar to PROTEIN PHOSPHATASE 2C ABI2 (EC 3.1.3.16), Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, Homo sapiens cDNA FLJ32332 fis, clone PROST2005121, weakly similar to PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16), KIAA0015 gene product, expressed sequence AI481720, protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform |
| 4035 | 6439 | NM_147209 | U | | Homo sapiens cDNA FLJ30116 fis, clone BRACE100042, weakly similar to PROTEIN PHOSPHATASE 2C ABI2 (EC 3.1.3.16), Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, Homo sapiens cDNA FLJ32332 fis, clone PROST2005121, weakly similar to PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16), KIAA0015 gene product, expressed sequence AI481720, protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform |
| 372 | 15149 | AA859327 | PPP, QQQ | | Homo sapiens cDNA FLJ30813 fis, clone FEBRA2001523, ubiquitin c-terminal hydrolase related polypeptide, ubiquitin specific protease 10 |

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| TABLE 3 | | Attorney Docket 44924-6038-01WO Document No. 1935828.1 | | |
|---------|-------------|---|---|---|
| Seq ID | GLGC ID No. | Gembank Acc or RefSeq ID | Human Homologous Sequence Cluster Title | |
| | | | Human Homologous Known Gene Name | |
| | | | Model Code | |
| 326 | 19158 | AA851953 | F | Homo sapiens cDNA FLJ30862 fis, clone FEBRA2003675 |
| 2665 | 17537 | AI234497 | VV | Homo sapiens cDNA FLJ30934 fis, clone FEBRA2007017, moderately similar to Homo sapiens TRAF4-associated factor 2 mRNA, sorting nexin 6 |
| 3522 | 15697 | NM_022939 | PP, QQ, UU | Homo sapiens cDNA FLJ31164 fis, clone KIDNE1000104, weakly similar to SYNTAXIN 7, expressed sequence AU041521, syntaxin 12, syntaxin 16, syntaxin 7 |
| 450 | 15410 | AA875268 | III, JJJ | Homo sapiens cDNA FLJ31499 fis, clone NT2NE2005441, weakly similar to SPLICEOSOME ASSOCIATED PROTEIN 49 |
| 1453 | 22592 | AI013740 | O, P, UUU | Homo sapiens cDNA FLJ31762 fis, clone NT2RI2007754, weakly similar to INTESTINAL MEMBRANE A4 PROTEIN, hypothetical protein BC010116, hypothetical protein BC013109 |
| 2702 | 11164 | AI235739 | A, B | Homo sapiens cDNA FLJ31775 fis, clone NT2RI2008115, biphényl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen) |
| 4250 | 602 | X68101 | ZZ, AAA | Homo sapiens cDNA FLJ32122 fis, clone PEBLM1000144, moderately similar to Trg, KIAA1058 protein, erythroid differentiation regulator, expressed sequence AA959601, expressed sequence R75174 |
| 1819 | 11655 | AI102881 | T | Homo sapiens cDNA FLJ32122 fis, clone PEBLM1000144, moderately similar to Trg, KIAA1058 protein, R.norvegicus trg mRNA, RIKEN cDNA 1200017A24 gene, erythroid differentiation regulator, expressed sequence AA959601, expressed sequence R75174 |
| 4012 | 22595 | NM_139253 | K | Homo sapiens cDNA FLJ32237 fis, clone PLACE6004966, Human transposon-like element mRNA |
| 994 | 12427 | AA955771 | T | Homo sapiens cDNA FLJ32400 fis, clone SKMUS2000317, weakly similar to Drainin, KIAA0608 protein, KIAA1322 protein |
| 379 | 23340 | AA859519 | BBB, CCC | Homo sapiens cDNA FLJ32971 fis, clone TESTI2008847 |
| 379 | 23341 | AA859519 | CCC | Homo sapiens cDNA FLJ32971 fis, clone TESTI2008847 |
| 2695 | 11264 | AI235493 | HH | Homo sapiens cDNA: FLJ21205 fis, clone COL00328, integral inner nuclear membrane protein |
| 2891 | 21864 | H31144 | MM, TTT, General Alternate | Homo sapiens cDNA: FLJ21251 fis, clone COL01259, Homo sapiens, Similar to activated p21cdc42hs kinase, clone MGC:15139 IMAGE:4302390, mRNA, complete cds |

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Document No. 1935828.1

| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 3801 | 11830 | NM_053598 | M, DD, SS, TT, FFF, General Core Tox Markers, General Alternate | | Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3 |
| 3801 | 18795 | NM_053598 | E, DD, JJ, KK, MM, UU, FFF, KKK, NNN, TTT, General Alternate | | Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3 |
| 3801 | 23192 | NM_053598 | N, GG, JJ, KK, General Alternate | | Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3 |
| 1206 | 16304 | AB008424 | PP, QQ, EEE, FFF, MMM | | Homo sapiens cDNA: FLJ22845 fis, clone KAI5195, Mus musculus, Similar to cytochrome P450, 2d10, clone MGC:18824 IMAGE:4207630, mRNA, complete cds, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6 |
| 4046 | 1130 | NM_153313 | T | | Homo sapiens cDNA: FLJ22845 fis, clone KAI5195, Mus musculus, Similar to cytochrome P450, 2d10, clone MGC:18824 IMAGE:4207630, mRNA, complete cds, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6 |
| 3128 | 18730 | NM_012730 | N, TT | | Homo sapiens cDNA: FLJ22845 fis, clone KAI5195, RIKEN cDNA 1300006E06 gene, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6 |

| TABLE 3 | | | | | | |
|---------|-------------|-------------------------|--|----------------------------------|--|--|
| Seq ID | GLCC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title | Attorney Docket 44921-5038-01WO Document No. 1935828.1 |
| 2257 | 12958 | AI177155 | J, General Core Tox Markers, General Alternate | | Homo sapiens cDNA: FLJ23087 fis, clone LNG06994, highly similar to AF161368 Homo sapiens HSPC105 mRNA, NAD(P) dependent steroid dehydrogenase-like; H105e3 | |
| 543 | 3427 | AA892246 | C, HH | | Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence A1042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast) | |
| 1561 | 3428 | A1044653 | C | | Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence A1042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast) | |
| 2042 | 3429 | AI170124 | C, HH | | Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence A1042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast) | |
| 1006 | 24366 | AA956246 | OOO, General Core Tox Markers, General Alternate | | Homo sapiens mRNA; cDNA DKFZp434B2119 (from clone DKFZp434B2119); partial cds | |
| 733 | 4917 | AA924140 | General Alternate | | Homo sapiens mRNA; cDNA DKFZp566P2324 (from clone DKFZp566P2324), Homo sapiens, clone MGC:21553 IMAGE:4155396, mRNA, complete cds, KIAA0193 gene product, hypothetical protein BC002980, hypothetical protein FLJ23142 | |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------------------------------|----------------------------------|--|
| 2056 | 3013 | AI170532 | D | | Homo sapiens mRNA; cDNA DKFZp566P2346 (from clone DKFZp566P2346), RIKEN cDNA 1700019B01 gene, golgi autoantigen, golgin subfamily a, 4 |
| 1393 | 4286 | AI011920 | V | | Homo sapiens PNAS-29 mRNA, complete cds, WD repeat domain 1 |
| 2897 | 17913 | H31707 | BB, CC | | Homo sapiens, clone IMAGE:3940519, mRNA, partial cds, hypothetical protein DKFZp762O076 |
| 2540 | 19271 | AI231566 | TT | | Homo sapiens, clone MGC:18164 IMAGE:4155088, mRNA, complete cds |
| 829 | 12247 | AA942812 | General Alternate | | Homo sapiens, clone MGC:24603 IMAGE:4245508, mRNA, complete cds, hypothetical protein DKFZp564F013, putative homeodomain transcription factor, putative homeodomain transcription factor 1 |
| 4293 | 8664 | Z75029 | Q, Z, AAA | | Homo sapiens, clone MGC:25063 IMAGE:4480702, mRNA, complete cds |
| 2371 | 22569 | AI179979 | III, JJJ, General Core Tox Markers | | Homo sapiens, clone MGC:26636 IMAGE:4825619, mRNA, complete cds |
| 527 | 16836 | AA892005 | BBB, CCC | | Homo sapiens, clone MGC:32124 IMAGE:4877960, mRNA, complete cds, RIKEN cDNA 1110060M21 gene, RIKEN cDNA 4631434O19 gene, progesterone receptor membrane component 1, progesterone receptor membrane component 2 |
| 1847 | 13317 | AI103637 | VV | | Homo sapiens, Similar to protein kinase NYD-SP25, clone MGC:26757 IMAGE:4828082, mRNA, complete cds, RIKEN cDNA 2810411G23 gene, tumor protein D52-like 2 |
| 3498 | 20959 | NM_022598 | D | | Homo sapiens, Similar to RIKEN cDNA 4930513O09 gene, clone MGC:33185 IMAGE:5269882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp761J139, clone MGC:11924 IMAGE:3599595, mRNA, complete cds, RIKEN cDNA 4930513O09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) |
| 3498 | 20960 | NM_022598 | D | | Homo sapiens, Similar to RIKEN cDNA 4930513O09 gene, clone MGC:33185 IMAGE:5269882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp761J139, clone MGC:11924 IMAGE:3599595, mRNA, complete cds, RIKEN cDNA 4930513O09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) |

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| Seq ID | GLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 3052 | 729 | M95762 | FFF | | Homo sapiens, Similar to solute carrier family 6 (neurotransmitter transporter, GABA), member 13, clone MGC:24068 IMAGE:4594185, mRNA, complete cds, Homo sapiens, clone MGC:24098 IMAGE:4612245, mRNA, complete cds, Mus musculus, Similar to solute carrier family 6 (neurotransmitter transporter, GABA), member 13, clone MGC:28956 IMAGE:4240641, mRNA, complete cds, expressed sequence AA589632 |
| 952 | 18383 | AA946421 | MM, UU, TTT | | Homo sapiens, Similar to transcription factor EB, clone IMAGE:3944945, mRNA, partial cds |
| 754 | 11533 | AA924716 | MM, TTT | | homolog of yeast exosomal core protein CSL4 |
| 1869 | 21922 | AI104376 | SS | | HSPC142 protein |
| 817 | 1897 | AA926292 | HH | | HTGN29 protein, trans-golgi network protein 1, trans-golgi network protein 2 |
| 4217 | 1899 | X53565 | WW | | HTGN29 protein, trans-golgi network protein 1, trans-golgi network protein 2 |
| 652 | 4554 | AA893749 | UU | | Human DNA sequence from cDNA 16pHQG;19 from chromosome 16p13.3 |
| 33 | 16959 | AA799550 | HHH | | Human putative ribosomal protein S1 mRNA, RIKEN cDNA 9130413I22 gene, T-cell activation protein, hypothetical protein BC006130 |
| 3086 | 17292 | NM_012584 | K, GGG | | hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1, hydroxysteroid dehydrogenase-4, delta<5>-3-beta, hydroxysteroid dehydrogenase-5, delta<5>-3-beta |
| 2760 | 21091 | AI236972 | O, P | | Hydroxysteroid dehydrogenase, 11 beta type 1, Mus musculus, Similar to hydroxysteroid 17-beta dehydrogenase 11, clone MGC:30360 IMAGE:5132342, mRNA, complete cds, Mus musculus, clone MGC:6908 IMAGE:2655855, mRNA, complete cds, hydroxysteroid (11-beta) dehydrogenase 1, hydroxysteroid 11-beta dehydrogenase 1, retinal short-chain dehydrogenase/reductase retSDR2 |
| 2824 | 2434 | AI639411 | WW, FFF | | hypothetical protein |
| 2824 | 2435 | AI639411 | C, FFF | | hypothetical protein |
| 2490 | 7084 | AI230362 | HH | | hypothetical protein BC004507 |
| 501 | 11966 | AA891800 | L, BB, CC, NNN, OOO, General Alternate | | hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic) |

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| Seq ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 501 | 18128 | AA891800 | OOO, General Alternate | | hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic) |
| 442 | 15339 | AA875171 | UU | | hypothetical protein CAB56184 |
| 442 | 15340 | AA875171 | XX, YY | | hypothetical protein CAB56184 |
| 981 | 23561 | AA955477 | E | | hypothetical protein FLJ10074 |
| 545 | 22903 | AA892250 | P, VV | | hypothetical protein FLJ10514 |
| 1652 | 8132 | A1060050 | General Core Tox Markers, General Alternate | | hypothetical protein FLJ10613, hypothetical protein FLJ12595, nucleolar GTPase, putative nucleotide binding protein, estradiol-induced |
| 211 | 7208 | AA819337 | F | | hypothetical protein FLJ10856 |
| 740 | 20797 | AA924310 | General Alternate | | hypothetical protein FLJ20419 |
| 93 | 22918 | AA800243 | LL, PPP, QQQ, RRR, UUU | | hypothetical protein FLJ20871 similar to FSP27 |
| 555 | 22867 | AA892353 | III, JJJ, KKK, OOO, General Core Tox Markers, General Alternate | | hypothetical protein FLJ22353 |
| 2014 | 20891 | A1169337 | A, B, HHH | | hypothetical protein HSPC111 |
| 626 | 3879 | AA893237 | T, DDD | | hypothetical protein MBC3205 |
| 1789 | 21691 | A1102027 | T | | hypothetical protein MGC10540 |
| 1348 | 16035 | A1010295 | L | | hypothetical protein MGC13010 |
| 45 | 20980 | AA799633 | BBB, CCC | | hypothetical protein MGC13016 |
| 3946 | 19613 | NM_133544 | Q, R, XX | | hypothetical protein MGC14697, upregulated during skeletal muscle growth 5 |

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| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------------------|----------------------------------|--|
| | | | C, ZZ, AAA, General | | |
| 661 | 2192 | AA894086 | Alternate | | hypothetical protein MGC17552 |
| 1296 | 2193 | A1009062 | DD, EE, WW | | hypothetical protein MGC17552 |
| 824 | 9942 | AA942697 | SS | | hypothetical protein MGC3133 |
| 4022 | 23251 | NM_145085 | PP, QQ | | hypothetical protein MGC3265, prenylcysteine lyase |
| 95 | 17206 | AA800296 | Z, AA | | hypothetical protein MGC5378, poly(A) polymerase beta (testis specific) |
| 784 | 12386 | AA925450 | LLL | | immunoglobulin superfamily, member 4, nectin 3 |
| 348 | 12729 | AA858677 | XX | | immunoglobulin superfamily, member 8 |
| 3026 | 1586 | M57728 | BBB, CCC | | inositol polyphosphate-5-phosphatase, 72 kDa |
| 3448 | 20266 | NM_022212 | D, SS | | insulin receptor-related receptor |
| | | | I, J, W, MM, OOO, TTT, General Core | | |
| 3227 | 16982 | NM_013144 | Tox Markers | | insulin-like growth factor binding protein 1 |
| 1093 | 2492 | AA964866 | W, QQ | | interferon gamma receptor 2, interferon gamma receptor 2 (interferon gamma transducer 1) |
| 3827 | 25625 | NM_053783 | PP, QQ | | interferon gamma receptor, interferon gamma receptor 1 |
| 1111 | 2809 | AA996471 | A, B, II | | JM11 protein |
| 1388 | 15033 | A1011754 | SSS, UUU | | JM5 protein, Mus musculus, Similar to hypothetical protein FLJ10055, clone MGC:36416 IMAGE:5322999, mRNA, complete cds, RIKEN cDNA 0610008N23 gene |
| 63 | 16730 | AA799766 | L, FFF, HHH, OOO | | JTV1 gene |
| | | | W, BB, CC, DD, EE, PP, QQ, III, NNN | | |
| 464 | 5384 | AA891041 | CC, DD, EE, II, NNN | | Jun-B oncogene, jun B proto-oncogene |
| 3439 | 20161 | NM_021836 | NNN | | Jun-B oncogene, jun B proto-oncogene |
| 4148 | 1731 | U58858 | D, KKK | | junction plakoglobin |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-------------------|----------------------------------|--|
| 909 | 7683 | AA945320 | ZZ, AAA | | karyopherin (importin) alpha 3, karyopherin alpha 3 (importin alpha 4) |
| 2495 | 7416 | A1230458 | MM, TTT | | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1 |
| 1427 | 17132 | A1012648 | KKK | | KIAA0022 gene product, RIKEN cDNA 1110055L24 gene |
| 2690 | 18484 | A1235349 | Z | | KIAA0184 protein |
| 1607 | 10069 | A1058503 | III, JJJ | | KIAA0247 gene product |
| 2388 | 12556 | A1180376 | TT | | KIAA0310 gene product |
| 762 | 23440 | AA924881 | General Alternate | | KIAA0365 gene product |
| 2736 | 15398 | A1236566 | General | | KIAA0375 gene product, nesca protein |
| 1403 | 16783 | A1012215 | Alternate | | KIAA0376 protein, p10-binding protein, ring finger protein 40 |
| 715 | 3944 | AA900688 | JJ, KK, MM, TTT | | KIAA0553 protein, MDN1, midasin homolog (yeast), O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), PC326 protein, TPR-containing, SH2-binding phosphoprotein, death inducer-obliterator-1, expressed sequence AF013969 |
| 2915 | 14266 | H33842 | JJ | | KIAA0553 protein, MDN1, midasin homolog (yeast), O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), PC326 protein, TPR-containing, SH2-binding phosphoprotein, death inducer-obliterator-1, expressed sequence AF013969 |
| 4059 | 18457 | S45812 | XX, YY | | KIAA0601 protein, monoamine oxidase A |
| 3964 | 7166 | NM_134406 | UU | | KIAA0602 protein, hypothetical protein FLJ20748 |
| 82 | 3915 | AA800029 | N | | KIAA0916 protein |
| 2521 | 14303 | A1231159 | PP, QQ | | KIAA1049 protein |
| 1452 | 7274 | A1013715 | U | | LAG1 longevity assurance homolog 1 (S. cerevisiae), bone morphogenetic protein 5 |
| 209 | 6237 | AA819288 | H, S | | latexin, retinoic acid receptor responder (tazarotene induced) 1 |
| 2140 | 11525 | A1172286 | CCC, RRR, SSS | | leucine-rich PPR-motif containing |
| 342 | 10517 | AA858600 | KKK, NNN | | leucine-zipper-like transcriptional regulator, 1 |

TABLE 3

| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------------------|----------------------------------|---|
| 3571 | 9594 | NM_030855 | RR | | ligase I, DNA, ATP-dependent, ligase III, DNA, ATP-dependent, ligase IV, DNA, ATP-dependent |
| 4195 | 672 | X13722 | JJ | | low density lipoprotein receptor, low density lipoprotein receptor (familial hypercholesterolemia) |
| 1292 | 410 | A1008974 | UU, OOO, General Alternate | | low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1) |
| 2567 | 409 | A1232268 | GG | | low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1) |
| 2605 | 17240 | A1233054 | N, QQ, XX, YY | | low molecular mass ubiquinone-binding protein (9.5kD) |
| 2775 | 21653 | A1237535 | Q, R, DD, EE, CCC | | LPS-induced TNF-alpha factor |
| 4140 | 21654 | U53184 | Q, R, W | | LPS-induced TNF-alpha factor |
| 3783 | 14199 | NM_053538 | O, P | | Lysosomal-associated multispinning membrane protein-5, lysosomal-associated protein transmembrane 4A, lysosomal-associated protein transmembrane 4B, lysosomal-associated protein transmembrane 5 |
| 1462 | 7316 | A1013883 | Y | | makorin, ring finger protein, 1 |
| 1929 | 7317 | A1136123 | T | | makorin, ring finger protein, 1 |
| 2592 | 3860 | A1232703 | U, LL, BBB, CCC, LLL, RRR, SSS, UUU | | malonyl-CoA decarboxylase |
| 3092 | 382 | NM_012599 | FF, RRR | | mannose binding lectin, liver (A), mannose-binding lectin (protein C) 2, soluble (opsonic defect) |
| 3789 | 22919 | NM_053556 | RR | | maternal G10 transcript |
| 1686 | 514 | A1070584 | KKK | | matrix metalloproteinase 14 (membrane-inserted) |
| 2034 | 3909 | A1169903 | O, P | | MD-2 protein, lymphocyte antigen 96 |

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| Seq ID | GLGG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster/Title |
|--------|-------------|-------------------------|-----------------------------|----------------------------------|---|
| 541 | 8317 | AA892234 | A, B, X, Y, GG, NN, OO, GGG | | microsomal glutathione S-transferase 3 |
| 599 | 17923 | AA892843 | H | | mitochondrial ribosomal protein L24 |
| 2133 | 11416 | AI172185 | S, EEE, MMM | | mitochondrial ribosomal protein L49 |
| 2691 | 3645 | AI235362 | K | | mitochondrial ribosomal protein L49 |
| 812 | 20866 | AA926098 | D | | mitochondrial ribosomal protein L53 |
| 2135 | 20867 | AI172214 | F | | mitochondrial ribosomal protein L53 |
| 2488 | 23628 | AI230278 | GG | | mitochondrial ribosomal protein S16 |
| 2025 | 18343 | AI169648 | WW | | mitochondrial ribosomal protein S25 |
| 349 | 12829 | AA858695 | XX, YY, CCC | | mitochondrial ribosomal protein S33 |
| 3837 | 17299 | NM_053842 | PPP, QQQ | | mitogen activated protein kinase 1, mitogen-activated protein kinase 1, nemo like kinase |
| 3341 | 24766 | NM_017322 | EE | | mitogen activated protein kinase 9, mitogen-activated protein kinase 9 |
| 3341 | 24767 | NM_017322 | A, B, L | | mitogen activated protein kinase 9, mitogen-activated protein kinase 9 |
| 3704 | 10176 | NM_031837 | WW, KKK | | MLL septin-like fusion, septin 9 |
| 299 | 3924 | AA851017 | W, DDD, LLL | | molybdenum cofactor synthesis 2 |
| 299 | 3925 | AA851017 | Q, R, WW, LLL | | molybdenum cofactor synthesis 2 |
| 4000 | 809 | NM_139089 | W | | monokine induced by gamma interferon, small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant), small inducible cytokine B subfamily (Cys-X-Cys), member 10, small inducible cytokine subfamily B (Cys-X-Cys), member 10, small inducible cytokine subfamily B (Cys-X-Cys), member 11 |
| 1962 | 12654 | AI137864 | QQQ | | MORF-related gene 15 |
| 2364 | 17224 | AI179883 | PP, QQ | | MORF-related gene 15, RIKEN cDNA 1700060H10 gene, testis expressed gene 189 |
| 3394 | 24757 | NM_019317 | D, Z, AA | | mucosal vascular addressin cell adhesion molecule 1 |
| 3777 | 7219 | NM_053512 | F | | Mus musculus 0 day neonate head cDNA, RIKEN full-length enriched library, clone:4833401P12:peroxiredoxin 4, full insert sequence, peroxiredoxin 4 |

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| Seq ID | CLCC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|-------------------------------------|----------------------------------|---|
| 2698 | 1462 | A1235585 | K | | Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810054L16:kidney-derived aspartic protease-like protein, full insert sequence, cathepsin D, cathepsin D (lysosomal aspartyl protease) |
| 3662 | 20765 | NM_031643 | LL | | Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3000002B10:mitogen activated protein kinase 5, full insert sequence, mitogen activated protein kinase 1, mitogen-activated protein kinase 1 |
| 3662 | 20767 | NM_031643 | P | | Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3000002B10:mitogen activated protein kinase 5, full insert sequence, mitogen activated protein kinase 1, mitogen-activated protein kinase 1 |
| 504 | 7050 | AA891824 | SS | | Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110005M20:serine/arginine-rich protein specific kinase 2, full insert sequence, Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200011B22:signal sequence receptor, delta, full insert sequence, serine/threonine kinase 23 |
| 1792 | 7051 | A1102055 | ZZ, AAA | | Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110005M20:serine/arginine-rich protein specific kinase 2, full insert sequence, Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200011B22:signal sequence receptor, delta, full insert sequence, serine/threonine kinase 23 |
| 3434 | 19824 | NM_021750 | A, B, JJ, HHH, General Alternate | | Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300015E02:deoxyribonuclease II alpha, full insert sequence, cysteine sulfinic acid decarboxylase-related protein 2 |
| 3434 | 19825 | NM_021750 | B, I, J, JJ, HHH, General Alternate | | Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300015E02:deoxyribonuclease II alpha, full insert sequence, cysteine sulfinic acid decarboxylase-related protein 2 |
| 1127 | 3112 | AA997122 | NN, OO | | Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, adrenomedullin receptor, protein phosphatase |
| 426 | 22781 | AA874926 | V, RR, SS | | Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase |

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| Seq ID | GLCG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 670 | 22783 | AA894207 | SS | | Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase |
| 2526 | 22791 | A1231230 | SS | | Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase |
| 3800 | 21708 | NM_053596 | PP, QQ, UU, WW | | Mus musculus endothelin converting enzyme-2 mRNA, complete cds, endothelin converting enzyme 1, expressed sequence AW322500, mel transforming oncogene-like 1 |
| 3800 | 21709 | NM_053596 | MM, PP, UU, III, JJJ, TTT, UUU | | Mus musculus endothelin converting enzyme-2 mRNA, complete cds, endothelin converting enzyme 1, expressed sequence AW322500, mel transforming oncogene-like 1 |
| 3868 | 24430 | NM_053996 | Z, AA | | Mus musculus glycine transporter type 2 (Glyt2) mRNA, complete cds, glycine transporter 1, homolog of rat orphan transporter v7-3, solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 |
| 2964 | 1795 | L24207 | K, L, N, O, P, X, NN, OO, PP, TT, LLL, UUU | | Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3 |
| 2964 | 1796 | L24207 | K, L, M, N, X, TT | | Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3 |
| 3221 | 1793 | NM_013105 | K, L, M, N, FF, TT, DDD, UUU | | Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3 |
| 3221 | 1794 | NM_013105 | K, L, M, N, TT, DDD, LLL, UUU | | Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3 |

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| Seq ID | GLCC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|---|
| 3752 | 15791 | NM_053341 | D | | Mus musculus mRNA for PDZ-domain protein Gipc3, complete cds, PDZ domain protein GIPC2, expressed sequence AU021850, regulator of G-protein signaling 19 interacting protein 1, regulator of G-protein signalling 19 interacting protein 1, semaF cytoplasmic domain associated protein 2 |
| 3053 | 1624 | M95768 | Z, AA | | Mus musculus secreted protein precursor Ym2 mRNA, complete cds, Mus musculus, Similar to di-N-acetylchitinase, clone IMAGE:4038549, mRNA, partial cds, RIKEN cDNA 2210401K11 gene, RIKEN cDNA 4921536121 gene, chitinase 1 (chitotriosidase), chitinase 3-like 3, chitinase, di-N-acetyl- |
| 2284 | 19184 | AI178025 | Q, W | | Mus musculus testis expressed homeobox mRNA, complete cds, RIKEN cDNA 5430405H02 gene, RIKEN cDNA 5730599O09 gene, TG interacting factor, TGF(beta)-induced transcription factor 2-like, TGFB-induced factor (TALE family homeobox), TGFB induced factor 2 (TALE family homeobox) |
| 1456 | 16584 | AI013765 | VV | | Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006117 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence AI326910, retinal S-antigen |
| 3174 | 16581 | NM_012911 | VV | | Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006117 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence AI326910, retinal S-antigen |
| 1197 | 1962 | AB000199 | D | | Mus musculus, clone IMAGE:3491119, mRNA, partial cds, Rattus norvegicus 3beta-hydroxysteroid dehydrogenase/delta5-delta4 isomerase (3beta-HSD) mRNA, complete cds, hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1, hydroxysteroid dehydrogenase-1, delta<5>-3-beta, hydroxysteroid dehydrogenase-2, delta<5>-3-beta, hydroxysteroid dehydrogenase-3, delta<5>-3-beta, hydroxysteroid dehydrogenase-6, delta<5>-3-beta |
| 2669 | 14676 | AI234615 | E | | Mus musculus, clone IMAGE:3986429, mRNA, TRP ion channel TRPM8, cold/menthol receptor 1, transient receptor potential cation channel, subfamily C, member 4, transient receptor potential cation channel, subfamily C, member 5, transient receptor potential cation channel, subfamily M, member 2, transient receptor protein 4 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------|----------------------------------|---|
| 3553 | 23489 | NM_024375 | RR | | Mus musculus, clone IMAGE:4224368, mRNA, partial cds, growth differentiation factor 10 |
| 3294 | 2967 | NM_017158 | HH | | Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AI662255 |
| 3294 | 2968 | NM_017158 | MM, TTT | | Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AI662255 |
| 3294 | 2969 | NM_017158 | N, TT | | Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AI662255 |
| 3294 | 2970 | NM_017158 | N, HH, SS | | Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence AI159681, expressed sequence AI662255 |
| 4144 | 699 | U55765 | D, E, BB, GG, NN, III, JJJ, RRR | | Mus musculus, clone MGC:25863 IMAGE:4196269, mRNA, complete cds, Mus musculus, clone MGC:37860 IMAGE:5100400, mRNA, complete cds, serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 10, serine protease inhibitor 1-1 |

TABLE 3

| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Codes | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|-----------------------------------|----------------------------------|--|
| 3954 | 4312 | NM_133586 | M, X, TT, LLL, SSS, UUU | | Mus musculus, clone MGC:28542 IMAGE:4194872, mRNA, complete cds, Mus musculus, clone MGC:31116 IMAGE:4163362, mRNA, complete cds, carboxylesterase 1, carboxylesterase 1 (monocyte/macrophage serine esterase 1), carboxylesterase 2 (intestine, liver), carboxylesterase 3, carboxylesterase 3 (brain), carboxylesterase-related protein, expressed sequence A1266984, neuroligin 1 |
| 890 | 2893 | AA944833 | VV | | Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5 |
| 2159 | 2895 | A1175095 | VV | | Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5 |
| 2599 | 2896 | A1232957 | VV | | Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5 |
| 3925 | 15961 | NM_130744 | E, III, JJJ | | Mus musculus, clone MGC:36715 IMAGE:3979003, mRNA, complete cds, cytoglobin, expressed sequence A1325109 |
| 2285 | 6189 | A1178027 | G, CC, NN, OO, QQ, PPP, QQQ | | Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2 |
| 3620 | 20862 | NM_031154 | A, B, GGG, HHH, General Alternate | | Mus musculus, glutathione S-transferase, mu type 3 (Yb3), clone MGC:30483 IMAGE:4166881, mRNA, complete cds, RIKEN cDNA 0610005A07 gene, RIKEN cDNA 1110004G14 gene, glutathione S-transferase M2 (muscle), glutathione S-transferase M4, glutathione S-transferase M5, glutathione S-transferase, mu 5 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 2850 | 1728 | D16479 | U, FF, XX, YY, BBB, RRR, SSS | | Mus musculus, Similar to Acetyl-Co A acetyltransferase 1, mitochondrial, clone MGC:39067 IMAGE:5365469, mRNA, complete cds, Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit, clone MGC:7126 IMAGE:3158015, mRNA, complete cds, acetyl-Coenzyme A acyltransferase (peroxisomal 3-oxoacyl-Coenzyme A thiolase), hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit |
| 3989 | 14964 | NM_138884 | EEE, MMM | | Mus musculus, Similar to aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase), clone MGC:25814 IMAGE:4162788, mRNA, complete cds, aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase) |
| 3989 | 14965 | NM_138884 | RR | | Mus musculus, Similar to aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase) cds, aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase) |
| 338 | 13523 | AA858552 | NN, OO | | Mus musculus, Similar to aminopeptidase B, clone MGC:29229 IMAGE:5041005, mRNA, complete cds, expressed sequence A1894167, leukotriene A4 hydrolase |
| 4084 | 13520 | S87522 | KK, PP, QQ | | Mus musculus, Similar to aminopeptidase B, clone MGC:29229 IMAGE:5041005, mRNA, complete cds, expressed sequence A1894167, leukotriene A4 hydrolase |
| 3828 | 25594 | NM_053799 | M | | Mus musculus, Similar to aspartyl-tRNA synthetase, clone MGC:6719 IMAGE:3586278, mRNA, complete cds, asparaginyl-tRNA synthetase, aspartyl-tRNA synthetase, lysyl-tRNA synthetase |
| 67 | 20998 | AA799803 | T, U, JJ, KK, WW, BBB, GGG, PPP, QQQ, RRR | | Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, s subcomponent, protein C |

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| Seq ID | GLGC ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------|----------------------------------|---|
| 3919 | 19316 | NM_130411 | VV | | Mus musculus, Similar to coronin, actin binding protein, 2A, clone IMAGE:4984475, mRNA, partial cds, coronin, actin binding protein 1A, coronin, actin binding protein, 1A |
| 2680 | 19057 | A1235094 | E | | Mus musculus, Similar to cortactin isoform B, clone MGC:18474 IMAGE:3981559, mRNA, complete cds, cortactin, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate), hematopoietic cell specific Lyn substrate 1, hematopoietic cell-specific Lyn substrate 1 |
| 723 | 4857 | AA901237 | RR | | Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, cyclin T1 |
| 3811 | 3454 | NM_053662 | Q, R, W | | Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2 |
| 3811 | 3455 | NM_053662 | Q, R | | Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2 |
| 3015 | 16807 | M33936 | FF | | Mus musculus, Similar to cytochrome P450, 4a10, clone MGC:18880 IMAGE:4237837, mRNA, complete cds, Mus musculus, Similar to cytochrome P450, 4a10, clone MGC:25972 IMAGE:4240359, mRNA, complete cds, RIKEN cDNA A230105L22 gene, cytochrome P450, 4a10, cytochrome P450, 4a14, cytochrome P450, subfamily IVA, polypeptide 11, expressed sequence A1314743 |
| 2483 | 18425 | A1230208 | OOO | | Mus musculus, Similar to ERGL protein; ERGIC-53-like protein, clone MGC:28923 IMAGE:4925160, mRNA, complete cds, RIKEN cDNA 1300009F09 gene, chromosome 5 open reading frame 8, lectin, mannose-binding, 1 |
| 4249 | 1391 | X66366 | C, XX, YY | | Mus musculus, Similar to gephyrin, clone MGC:38765 IMAGE:5358943, mRNA, complete cds, RIKEN cDNA 2310039I18 gene, RIKEN cDNA 5730552E08 gene, gephyrin |

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| Seq ID | GLCG ID No. | Genbank Acc.or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence/Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|--|
| 3929 | 16767 | NM_130826 | I, J, U, FF, XX, YY, RRR | | Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit |
| 3929 | 16768 | NM_130826 | U, Z, AA, XX, BBB, CCC, RRR, SSS | | Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit |
| 3929 | 16769 | NM_130826 | WW, BBB, CCC | | Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit |
| 3958 | 17758 | NM_133606 | G, U, FF, LL, XX, YY, BBB, CCC, FFF, RRR, SSS, UUU, General Alternate | | Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, RIKEN cDNA 1300002P22 gene, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase |
| 3399 | 3775 | NM_019354 | M, VV | | Mus musculus, Similar to hypothetical protein FLJ20551, clone MGC:18873 IMAGE:4235245, mRNA, complete cds, RIKEN cDNA 1300019P08 gene, expressed sequence AW108044, ornithine transporter 2, uncoupling protein 2 (mitochondrial, proton carrier), uncoupling protein 2, mitochondrial |

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| Seq ID | GLCG ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|------------------|----------------------------------|--|
| 572 | 15154 | AA892532 | I, J, K, FF, OOO | | Mus musculus, Similar to hypothetical protein MGC3178, clone MGC:28887 IMAGE:4911455, mRNA, complete cds, RIKEN cDNA 120006L06 gene, RIKEN cDNA 1700015E05 gene, RIKEN cDNA 2700053F16 gene, RIKEN cDNA 4921506J03 gene, expressed sequence A1987846, expressed sequence AL023058, expressed sequence C77895, protein disulfide isomerase-related protein |
| 3839 | 19018 | NM_053849 | C, FF | | Mus musculus, Similar to hypothetical protein MGC3178, clone MGC:28887 IMAGE:4911455, mRNA, complete cds, RIKEN cDNA 1700015E05 gene, RIKEN cDNA 2700053F16 gene, RIKEN cDNA 4921506J03 gene, calcium binding protein, intestinal, expressed sequence A1987846, protein disulfide isomerase related protein (calcium-binding protein, intestinal-related) |
| 1004 | 22576 | AA955983 | G, H, NNN | | Mus musculus, Similar to microsomal glutathione S-transferase 2, clone MGC:41409 IMAGE:1511631, mRNA, complete cds, arachidonate 5-lipoxygenase-activating protein, leukotriene C4 synthase, microsomal glutathione S-transferase 2 |
| 180 | 4245 | AA818692 | GG, RR | | Mus musculus, Similar to mitochondrial ribosomal protein L33, clone MGC:35714 IMAGE:5365357, mRNA, complete cds, mitochondrial ribosomal protein L33 |
| 3190 | 9917 | NM_012993 | JJ, KK, HHH | | Mus musculus, Similar to N-arginine dibasic convertase 1, clone MGC:25477 IMAGE:4486176, mRNA, complete cds, expressed sequence A1875733, insulin degrading enzyme, nardilysin (N-arginine dibasic convertase) |
| 3190 | 9918 | NM_012993 | JJ, KK | | Mus musculus, Similar to N-arginine dibasic convertase 1, clone MGC:25477 IMAGE:4486176, mRNA, complete cds, expressed sequence A1875733, insulin degrading enzyme, nardilysin (N-arginine dibasic convertase) |
| 1950 | 9166 | A1137406 | BB, CC | | Mus musculus, Similar to protein C receptor, endothelial, clone MGC:41156 IMAGE:1054063, mRNA, complete cds, protein C receptor, endothelial, protein C receptor, endothelial (EPCR) |
| 3856 | 24778 | NM_053962 | C, MM, FFF, TTT | | Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase |

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| Seq ID | GLGG ID No. | GenBank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---|----------------------------------|---|
| 3856 | 24779 | NM_053962 | C, MM, TTT | | Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase |
| 3856 | 25321 | NM_053962 | MM, FFF, TTT | | Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase |
| 3051 | 3424 | M94557 | A, B | | Mus musculus, Similar to single-stranded DNA binding protein, clone MGC:41439 IMAGE:1314987, mRNA, complete cds, single-stranded DNA binding protein, single-stranded DNA binding protein 1 |
| 2970 | 31 | L27651 | XX, YY, General Alternate | | Mus musculus, Similar to solute carrier family 22 (organic anion transporter), member 7, clone MGC:18877 IMAGE:4236556, mRNA, complete cds, expressed sequence AI648912, solute carrier family 22 (organic anion transporter), member 6, solute carrier family 22 (organic anion transporter), member 7 |
| 2970 | 32 | L27651 | M, U, GGG, OOO, PPP, QQQ, General Core Tox Markers, General Alternate | | Mus musculus, Similar to solute carrier family 22 (organic anion transporter), member 7, clone MGC:18877 IMAGE:4236556, mRNA, complete cds, expressed sequence AI648912, solute carrier family 22 (organic anion transporter), member 6, solute carrier family 22 (organic anion transporter), member 7 |
| 4170 | 1602 | U76379 | C, T, TT, EEE, MMM | | Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, solute carrier family 22 (organic cation transporter), member 1 |
| 4264 | 1603 | X78855 | TT | | Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, solute carrier family 22 (organic cation transporter), member 1 |

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| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|---|
| 1382 | 16112 | AI011706 | C | | Mus musculus, Similar to splicing factor, arginine/serine-rich 7 (35kD), clone MGC:38287 IMAGE:5342587, mRNA, complete cds, Mus musculus, clone MGC:36924 IMAGE:4945988, mRNA, complete cds, RIKEN cDNA 1210001E11 gene, splicing factor, arginine/serine-rich 3, splicing factor, arginine/serine-rich 3 (SRp20), splicing factor, arginine/serine-rich 4, splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS) |
| 3977 | 21439 | NM_138533 | S, General Core Tox Markers, General Alternate | | Mus musculus, Similar to spondin 1a, clone MGC:18859 IMAGE:4221758, mRNA, complete cds, RIKEN cDNA 2310045I24 gene, f-spondin, hypothetical protein MGC10724, properdin P factor, complement |
| 1241 | 20741 | AF084186 | A, Q, R, JJ, KK, WW, FFF, GGG, HHH, PPP, QQQ | | Mus musculus, similar to src homology three (SH3) and cysteine rich domain, clone MGC:38869 IMAGE:5361431, mRNA, complete cds, RIKEN cDNA 2610027H02 gene, RIKEN cDNA 2610301F02 gene, alpha-spectrin 1, erythroid, nesprin-1, spectrin, alpha, erythrocytic 1 (eliptocytosis 2), spectrin, alpha, non-erythrocytic 1 (alpha-fodrin), src homology three (SH3) and cysteine rich domain |
| 3454 | 760 | NM_022245 | LL | | Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 0610009N12 gene, cytochrome b-5 |
| 3454 | 762 | NM_022245 | K, GG, PP, QQ, TT | | Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 0610009N12 gene, cytochrome b-5 |
| 3613 | 14970 | NM_031127 | G, I, J, OOO, PPP, QQQ, General Core Tox Markers, General Alternate | | Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 1810044O22 gene, RIKEN cDNA 2810034J18 gene, sulfite oxidase |
| 120 | 10320 | AA800855 | BB, CC | | myeloid leukemia factor 2 |
| 369 | 18140 | AA859240 | JJ, KK | | myo-inositol 1-phosphate synthase A1 |

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| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------------|----------------------------------|---|
| 4213 | 517 | X52713 | RR | | myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse), myxovirus (influenza virus) resistance 2 |
| 3855 | 14591 | NM_053961 | DD, EE, NNN | | N-acetyl galactosaminidase, alpha, N-acetylgalactosaminidase, alpha- |
| 3840 | 16362 | NM_053853 | C, W | | N-acetyltransferase 1 (arylamine N-acetyltransferase) |
| 2479 | 17672 | AI230074 | N, PPP, QQQ | | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1 (7.5kD, MWFE) |
| 1876 | 18509 | AI104528 | LL, RRR | | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (17kD, B17) |
| 2211 | 22823 | AI176491 | WW, BBB, CCC | | NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI) |
| 2709 | 22717 | AI235948 | M | | Nidogen (enactin), nidogen (enactin), nidogen 1 |
| 2544 | 17297 | AI231785 | S | | Niemann Pick type C2, Niemann-Pick disease, type C2 |
| 3056 | 1508 | M97662 | M | | Nit protein 2, expressed sequence AI195023, nitrilase 1, ureidopropionase, beta |
| 1135 | 16883 | AA997345 | A, B, General Core Tox Markers | | Nit protein 2, RIKEN cDNA 1190017B19 gene |
| 3767 | 4621 | NM_053463 | JJ, KK | | nucleobindin, nucleobindin 1 |
| 3767 | 4622 | NM_053463 | JJ, KK | | nucleobindin, nucleobindin 1 |
| 2457 | 2615 | AI229318 | K, Q | | nucleolar cysteine-rich protein |
| 859 | 24369 | AA944011 | H | | nucleotide binding protein 2, nucleotide binding protein 2 (MinD homolog, E. coli) |
| 2389 | 24368 | AI180392 | G, H, ZZ | | nucleotide binding protein 2, nucleotide binding protein 2 (MinD homolog, E. coli) |
| 711 | 6483 | AA900461 | RR | | OB-receptor gene related protein (OB-RGRP), RIKEN cDNA 1520402O14 gene, leptin receptor gene-related protein, leptin receptor overlapping transcript-like 1 |
| 1246 | 20236 | AF091570 | Z, AA, RR | | odorant receptor S1 gene, olfactory receptor 41, olfactory receptor, family 6, subfamily A, member 1 |
| 1582 | 5712 | AI045154 | XX, YY | | origin recognition complex, subunit 5 homolog (S. cerevisiae), origin recognition complex, subunit 5-like (yeast) |
| 2505 | 15551 | AI230759 | A, B, Z, AA, RR | | ornithine decarboxylase antizyme 2 |
| 2835 | 14332 | AJ001044 | II | | p53-induced protein FIGP1, tumor-associated calcium signal transducer 1 |

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| Seq ID | GLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|------------------|----------------------------------|---|
| 3395 | 16330 | NM_019331 | S | | paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 3, proprotein convertase subtilisin/kexin type 4 |
| 3395 | 16331 | NM_019331 | S, W | | paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 3, proprotein convertase subtilisin/kexin type 4 |
| 292 | 22721 | AA850781 | V | | peptidylprolyl isomerase D (cyclophilin D) |
| 3880 | 15391 | NM_057114 | U, LLL | | peroxiredoxin 1 |
| 3484 | 9240 | NM_022540 | E, BBB, CCC | | peroxiredoxin 3 |
| 3484 | 9241 | NM_022540 | KK | | peroxiredoxin 3 |
| 3774 | 4290 | NM_053487 | BBB | | peroxisomal biogenesis factor 11A, peroxisomal biogenesis factor 11B, peroxisomal biogenesis factor 11a, peroxisomal biogenesis factor 11b |
| 96 | 17187 | AA800315 | XX, YY, BBB, CCC | | peroxisomal farnesylated protein |
| 885 | 22452 | AA944542 | L, T, KKK | | peroxisomal membrane protein 4, peroxisomal membrane protein 4 (24kD) |
| 2293 | 1050 | AI178219 | V | | phosphatidylinositol glycan, class I |
| 3899 | 15764 | NM_080480 | K | | phosphatidylinositol-4-phosphate 5-kinase, type II, beta, phosphatidylinositol-4-phosphate 5-kinase, type II, gamma |
| 1713 | 11125 | AI071867 | Z | | phosphatidylserine synthase 2 |
| 2484 | 15862 | AI230228 | ZZ, AAA | | phosphoserine aminotransferase |
| 2132 | 1957 | AI172143 | KKK | | phytanoyl-CoA hydroxylase, phytanoyl-CoA hydroxylase (Refsum disease) |
| 2185 | 7022 | AI176041 | LLL, SSS, UUU | | Pirin, RIKEN cDNA 2310042L19 gene |
| 44 | 19472 | AA799616 | C, UU | | pituitary tumor-transforming 1 interacting protein |
| 1166 | 14149 | AA998172 | GG | | platelet-activating factor acetylhydrolase, isoform 1b, alpha2 subunit, platelet-activating factor acetylhydrolase, isoform 1b, beta subunit (30kD) |
| 2537 | 16073 | AI231489 | II | | poly(rC) binding protein 3 |
| 1128 | 23930 | AA997182 | TT | | polymerase (RNA) II (DNA directed) polypeptide H |

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|---------|-------------|---|---|----------------------------------|--|
| Seq ID | GLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
| 3969 | 2802 | NM_134449 | A | | polymerase I and transcript release factor, serum deprivation response, serum deprivation response (phosphatidylserine binding protein) |
| 2181 | 23311 | A1176003 | Z, AA | | proline arginine-rich end leucine-rich repeat protein |
| 534 | 19469 | AA892112 | V, NN, EEE, MMM | | proline dehydrogenase, proline dehydrogenase (oxidase) 1 |
| 2618 | 19470 | A1233266 | GGG, HHH | | proline dehydrogenase, proline dehydrogenase (oxidase) 1 |
| 1552 | 5451 | A1044322 | DD, EE | | proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 |
| 356 | 6403 | AA858879 | A, B, G, H, S, PPP, QQQ | | proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 |
| 2627 | 18900 | A1233570 | X, Y, LLL, SSS, UUU | | proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 |
| 377 | 6342 | AA859458 | Z, AA | | Protein kinase C, type I (gamma type), RIKEN cDNA 1200003E11 gene, Rattus norvegicus Munc13-3 mRNA, complete cds, copine III, copine IV, protein kinase C, gamma |
| 477 | 21952 | AA891537 | UU, ZZ, AAA | | protein predicted by clone 23733 |
| 2509 | 17720 | A1230778 | I, J | | protein-tyrosine sulfotransferase 2, tyrosyl/protein sulfotransferase 2 |
| 3943 | 21703 | NM_133525 | JJ, KK | | putative c-Myc-responsive |
| 4027 | 24657 | NM_145774 | L, OOO, General Alternate | | RAB10, member RAS oncogene family, RAB12, member RAS oncogene family, RAB32, member RAS oncogene family, RAB38, member RAS oncogene family, RIKEN cDNA 2810011A17 gene, Rab38, member of RAS oncogene family, expressed sequence AA536966, expressed sequence AW107754 |
| 3860 | 18798 | NM_053978 | HHH | | RAB11a, member RAS oncogene family, RAB28, member RAS oncogene family, expressed sequence AW496496 |
| 3507 | 20303 | NM_022692 | Q, R | | RAB31, member RAS oncogene family, RAB5A, member RAS oncogene family, RAB5B, member RAS oncogene family, RAB5C, member RAS oncogene family |
| 3349 | 20778 | NM_019124 | E, K, L, KKK, NNN, OOO, General Alternate | | rabaptin 5, rabaptin-5 |

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| Seq ID | CLGG ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 4023 | 9845 | NM_145672 | EEE, MMM | | Rattus norvegicus CXC chemokine RTCK1 (Rtck1) mRNA, complete cds, interleukin 8 |
| 2372 | 6455 | A1179984 | XX, YY, PPP, QQQ | | Rattus norvegicus kallistatin mRNA, complete cds, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, serine protease inhibitor 2 |
| 4017 | 4949 | NM_139338 | D | | Rattus norvegicus mRNA for NaPi-2 alpha, complete cds, Solute carrier family 17 (sodium/hydrogen exchanger), member 2, expressed sequence A1649385, solute carrier family 34 (sodium phosphate), member 1 |
| 1947 | 21520 | A1137332 | T | | RCE1 homolog, prenyl protein protease (<i>S. cerevisiae</i>), Ras and a-factor-converting enzyme 1 homolog (<i>S. cerevisiae</i>) |
| 2842 | 1515 | D10233 | O, P | | renin binding protein |
| 374 | 15160 | AA859346 | S | | ribonuclease P (38kD) |
| 3511 | 17809 | NM_022699 | O, P, XX, YY | | ribosomal protein L30 |
| 296 | 1867 | AA850940 | S, JJ, KK, FFF, GGG, General Alternate | | ribosomal protein L4 |
| 3269 | 18452 | NM_017074 | L, OO, UU | | RIKEN cDNA 061001013 gene, cystathionase (cystathionine gamma-lyase), expressed sequence A1098105 |
| 3269 | 18453 | NM_017074 | L, NN, OO, III, JJJ, OOO | | RIKEN cDNA 061001013 gene, cystathionase (cystathionine gamma-lyase), expressed sequence A1098105 |
| 3965 | 23321 | NM_134407 | C, K, W, BB, CC, NN, OO, GGG, III, JJJ, LLL | | RIKEN cDNA 0610025K21 gene, aflatoxin B1 aldehyde reductase, aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) |
| 3965 | 23322 | NM_134407 | L, BB, CC, NN, OO | | RIKEN cDNA 0610025K21 gene, aflatoxin B1 aldehyde reductase, aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) |

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| Seq ID | GLGG ID No. | GenBank Accor RefSeqID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|------------------------|---|----------------------------------|--|
| 3236 | 20864 | NM_013215 | G, K, S, X, JJ, KK, NN, DDD, EEE, GGG, HHH, MMM | | RIKEN cDNA 0610025K21 gene, aldo-keto reductase family 7, member A2 (afatoxin aldehyde reductase) |
| 340 | 18001 | AA858573 | LL, EEE, | | RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD |
| 1529 | 18002 | A1043655 | MMM, UUU | | RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD |
| 4104 | 17999 | U19485 | O, P, YY | | RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD |
| 4104 | 18000 | U19485 | BBB, CCC | | RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD |
| 3614 | 6525 | NM_031129 | CCC | | RIKEN cDNA 0610040H15 gene, RIKEN cDNA 2210409E12 gene, transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B) |
| 882 | 14763 | AA944481 | F | | RIKEN cDNA 1110007F23 gene, angiotensin-like 3, angiotensin-like 4, ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin), ficolin (collagen/fibrinogen domain containing) 1, ficolin B |
| 3769 | 23274 | NM_053467 | FF | | RIKEN cDNA 1110014L17 gene, RIKEN cDNA 1810008K16 gene, RIKEN cDNA 2400003B06 gene, transmembrane trafficking protein |
| 3769 | 23276 | NM_053467 | O, P, FF | | RIKEN cDNA 1110014L17 gene, RIKEN cDNA 1810008K16 gene, RIKEN cDNA 2400003B06 gene, transmembrane trafficking protein |
| 2934 | 1549 | J05519 | V | | RIKEN cDNA 1110019K23 gene, transmembrane trafficking protein |
| 3792 | 21940 | NM_053568 | MM, TTT | | RIKEN cDNA 1110019K23 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase, methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methylenetetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase |
| 3792 | 21941 | NM_053568 | KKK, NNN | | RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine |
| 3792 | 21941 | NM_053568 | T, XX, KKK | | RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine |

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| Seq ID | GLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 3960 | 19706 | NM_134329 | M, U | | RIKEN cDNA 130002P07 gene, RIKEN cDNA 181009C16 gene, alcohol dehydrogenase 3 complex, alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide |
| 608 | 24280 | AA892919 | V | | RIKEN cDNA 130003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1 |
| 3517 | 24283 | NM_022869 | SS | | RIKEN cDNA 130003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1 |
| 3517 | 24284 | NM_022869 | C, AAA, General Core Tox Markers | | RIKEN cDNA 130003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1 |
| 3587 | 21094 | NM_031039 | HH, XX, General Alternate | | RIKEN cDNA 130007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase) |
| 3587 | 21096 | NM_031039 | M | | RIKEN cDNA 130007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase) |
| 389 | 11635 | AA859645 | A, B, F, G, S, FFF, GGG, III, JJJ, OOO, General Core Tox Markers | | RIKEN cDNA 1300011D16 gene, attractin, testis intracellular mediator protein |
| 633 | 4242 | AA893325 | A, B, F, H, X, Y, LLL | | RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy) |

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|--------|-------------|-------------------------|-------------------|----------------------------------|--|
| 3050 | 25467 | M93297 | A, B, II, WW | | RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy) |
| 1801 | 15218 | A1102495 | PPP, QQQ | | RIKEN cDNA 1300019I21 gene, nucleoside phosphorylase |
| 884 | 12228 | AA944536 | ZZ, AAA | | RIKEN cDNA 1500002F19 gene, RIKEN cDNA 3110005M08 gene, ribosomal protein L37 |
| 2241 | 10310 | A1176961 | A, B, H | | RIKEN cDNA 1500031N16 gene, mitochondrial ribosomal protein L12 |
| 351 | 6380 | AA858758 | FF, LL | | RIKEN cDNA 1500031O19 gene, hypothetical protein MGC12335 |
| 3239 | 20826 | NM_013218 | C, HH | | RIKEN cDNA 1700018L02 gene, adenylate kinase 3 alpha like, expressed sequence AI506714 |
| 1097 | 2542 | AA965035 | HH | | RIKEN cDNA 1700030G05 gene, basic leucine zipper nuclear factor 1 (JEM-1) |
| 27 | 21120 | AA799526 | S | | RIKEN cDNA 1700043E15 gene, small nuclear ribonucleoprotein D3 polypeptide (18kD) |
| 4153 | 1547 | U66471 | MM, TTT | | RIKEN cDNA 1810009H17 gene, cell growth regulatory with ring finger domain |
| 2094 | 17529 | A1171460 | WW | | RIKEN cDNA 1810026B04 gene, dicarbonyl/L-xylulose reductase, hydroxysteroid (17-beta) dehydrogenase 8, hypothetical protein BC014057, hypothetical protein FLJ14431, oxidoreductase UCPA |
| 312 | 883 | AA851347 | O, P | | RIKEN cDNA 2010006G21 gene, RIKEN cDNA 2810425K19 gene, sorting nexin 5 |
| 1496 | 16840 | A1029733 | Q, R | | RIKEN cDNA 2010100O12 gene, chromosome 20 open reading frame 52 |
| 3957 | 15637 | NM_133599 | XX | | RIKEN cDNA 2200008F12 gene, expressed sequence AI324147, lectin, galactoside-binding, soluble, 2 (galectin 2) |
| 1175 | 24094 | AA998435 | XX | | RIKEN cDNA 2210412K09 gene, hypothetical protein HSPC177 |
| 3955 | 24352 | NM_133589 | L | | RIKEN cDNA 2310003C10 gene, protein phosphatase 4, catalytic subunit, protein phosphatase 6, catalytic subunit |
| 1090 | 24233 | AA964756 | General Alternate | | RIKEN cDNA 2310068O22 gene, calmodulin 1, calmodulin 2, calmodulin-like 3, centrin 1, centrin, EF-hand protein, 1, centrin, EF-hand protein, 2, expressed sequence AI327027, expressed sequence AL024000, troponin C, fast skeletal, troponin C2, fast |
| 428 | 16167 | AA874941 | C | | RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein |

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| Seq. ID | GLCG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|---------|-------------|--------------------------|--|----------------------------------|---|
| 631 | 16168 | AA893280 | C | | RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein |
| 1523 | 16169 | A1030932 | C | | RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein |
| 2078 | 16170 | A1170894 | VV | | RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein |
| 2287 | 13389 | A1178104 | KKK | | RIKEN cDNA 2400009B11 gene, chromosome 11 open reading frame 13 |
| 2154 | 15557 | A1175019 | R | | RIKEN cDNA 2410001H17 gene, hypothetical protein FLJ21749 |
| 2118 | 20783 | A1171966 | O, P, V, NN, OO | | RIKEN cDNA 2410017I17 gene, RIKEN cDNA 2410137M14 gene, RIKEN cDNA 5430410E06 gene, histocompatibility 2, blastocyst, histocompatibility 2, class II, locus Mb2, hypothetical protein DKFZp5471014, major histocompatibility complex, class II, DM beta |
| 3009 | 1580 | M29293 | ZZ, AAA | | RIKEN cDNA 2410045I01 gene, SNRPN upstream reading frame, small nuclear ribonucleoprotein B, small nuclear ribonucleoprotein N, small nuclear ribonucleoprotein polypeptide N, small nuclear ribonucleoprotein polypeptides B and B1 |
| 1137 | 3172 | AA997406 | AA | | RIKEN cDNA 2410072D24 gene, proteasome (prosome, macropain) subunit, alpha type 7, proteasome (prosome, macropain) subunit, alpha type, 7 |
| 3487 | 11039 | NM_022543 | G, General Alternate | | RIKEN cDNA 2610001E17 gene, likely ortholog of mouse Urb, sushi-repeat protein |
| 3466 | 13479 | NM_022390 | III, JJJ, KKK | | RIKEN cDNA 2610008L04 gene, quinoid dihydropteridine reductase |
| 3466 | 13480 | NM_022390 | E, XX, YY, III, JJJ, General Alternate | | RIKEN cDNA 2610008L04 gene, quinoid dihydropteridine reductase |
| 3715 | 16257 | NM_031975 | N, General Alternate | | RIKEN cDNA 2610009E16 gene, parathyrosin, prothymosin alpha |
| 3715 | 17556 | NM_031975 | N, S, V | | RIKEN cDNA 2610009E16 gene, parathyrosin, prothymosin alpha |
| 1966 | 13157 | A1138020 | M | | RIKEN cDNA 2610016A03 gene, polyamine N-acetyltransferase |
| 3883 | 15151 | NM_057131 | E | | RIKEN cDNA 2610101M19 gene, phosphoribosyl pyrophosphate synthetase-associated protein 2 |

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| Seq ID | CLGG ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---|----------------------------------|---|
| 410 | 4222 | AA860024 | KK | | RIKEN cDNA 2610301D06 gene, eukaryotic translation elongation factor 1 gamma |
| 3206 | 14423 | NM_013053 | O, P | | RIKEN cDNA 2700028P07 gene, tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, theta polypeptide |
| 483 | 22858 | AA891591 | D | | RIKEN cDNA 2810401C16 gene, programmed cell death 8 (apoptosis inducing factor), programmed cell death 8 (apoptosis-inducing factor) |
| 178 | 6236 | AA818627 | K, L, UU | | RIKEN cDNA 2900053I11 gene, growth response protein (CL-6), insulin induced gene 1, insulin induced protein 2 |
| 3346 | 16382 | NM_017343 | V | | RIKEN cDNA 2900073G15 gene, myosin regulatory light chain |
| 79 | 2098 | AA799995 | Q, R, QQQ | | RIKEN cDNA 3100001N19 gene, ribosomal protein L14 |
| 2374 | 2099 | AI180015 | R | | RIKEN cDNA 3100001N19 gene, ribosomal protein L14 |
| 3524 | 18107 | NM_022949 | General Alternate | | RIKEN cDNA 3100001N19 gene, ribosomal protein L14 |
| 1649 | 900 | AI059963 | T | | RIKEN cDNA 3110021P21 gene, expressed sequence A1314976, syntaxin binding protein 2, vacuolar protein sorting 33B (yeast) |
| 1031 | 23080 | AA957423 | General Alternate | | RIKEN cDNA 3110041O18 gene, expressed sequence AI505894, lamin B receptor, transmembrane 7 superfamily member 2 |
| 2862 | 1354 | D38065 | E, I, J, K, X, Y, TT, RRR, SSS, UUU | | RIKEN cDNA 3200002I06 gene, dynein, cytoplasmic, intermediate chain 2, dynein, cytoplasmic, intermediate polypeptide 2, hypothetical protein MGC20486 |
| 4259 | 768 | X74549 | General Alternate | | RIKEN cDNA 4833409F13 gene, expressed sequence AI303446, serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 |
| 3931 | 20707 | NM_131906 | K, M, N, X, BB, CC, GG, TT, FFF, GGG, UUU, General Core Tox Markers | | RIKEN cDNA 4921511I05 gene, RIKEN cDNA 4933404A18 gene, solute carrier family 21 (organic anion transporter), member 3, solute carrier family 21 (organic anion transporter), member 5 |

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TABLE 3

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------|----------------------------------|--|
| 2879 | 1218 | D89340 | OOO, General Alternate | | RIKEN cDNA 4930533O14 gene, dipeptidylpeptidase III |
| 3984 | 23166 | NM_138839 | B, WW, General Alternate | | RIKEN cDNA 4930579A11 gene, likely ortholog of rat vacuole membrane protein 1 |
| 3765 | 5561 | NM_053438 | AA | | RIKEN cDNA 5730408C10 gene, zinc finger protein 103, zinc finger protein 103 homolog (mouse) |
| 476 | 21951 | AA891535 | MM, ZZ, AAA, TTT | | RIKEN cDNA 5730414C17 gene, hippocampus abundant gene transcript 1, hypothetical protein DKFZp564L0864 similar to HIAT1, hypothetical protein FLJ14753 |
| 3885 | 8592 | NM_057137 | G, WW, General Alternate | | RIKEN cDNA 5730442K12 gene, emopamil binding protein (sterol isomerase), emopamil binding related protein, delta8-delta7 sterol isomerase related protein, phenylalkylamine Ca2+ antagonist (emopamil) binding protein |
| 430 | 17303 | AA874990 | UU | | RIKEN cDNA 6330407G11 gene, hypothetical protein FLJ10342 |
| 3904 | 17662 | NM_080697 | GG | | RIKEN cDNA 6720463E02 gene, dynein light chain 2 |
| 3855 | 16553 | NM_053961 | I, J | | RIKEN cDNA C030022K24 gene, chromosome 12 open reading frame 8, endoplasmic reticulum protein 29 |
| 2938 | 23486 | K02816 | FF | | RNA polymerase II transcriptional coactivator, activated RNA polymerase II transcription cofactor 4 |
| 841 | 15319 | AA943307 | D | | Rous sarcoma oncogene, v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) |
| 2818 | 14606 | A1639342 | WW | | S164 protein |
| 1778 | 13261 | A1101465 | R | | SEC24 related gene family, member B (S. cerevisiae) |
| 3912 | 6143 | NM_080892 | K, GG, HH, NN, OO | | selenium binding protein 1, selenium binding protein 2 |
| 485 | 22860 | AA891681 | N, MM, TTT | | serine/threonine kinase receptor associated protein, unr-interacting protein |
| 1306 | 9150 | A1009198 | A, B, Q, R | | serine/threonine kinase receptor associated protein, unr-interacting protein |
| 2432 | 21822 | A1228642 | D, BBB, CCC, RRR | | seven transmembrane domain protein |

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TABLE 3

| Seq ID | GLGC ID No. | Genbank Accor RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|-------------------------|---|----------------------------------|---|
| 1860 | 1440 | AI104139 | WW | | SH2-B PH domain containing signaling mediator 1, SH2-B homolog, adaptor protein with pleckstrin homology and src, adaptor protein with pleckstrin homology and src homology 2 domains, src homology 2 domain-containing transforming protein C3 |
| 4146 | 1439 | U57391 | WW | | SH2-B PH domain containing signaling mediator 1, SH2-B homolog, adaptor protein with pleckstrin homology and src, adaptor protein with pleckstrin homology and src homology 2 domains, src homology 2 domain-containing transforming protein C3 |
| 2129 | 7733 | AI172086 | O, P | | SH3 domain binding glutamic acid-rich protein like 3, SH3 domain binding glutamic acid-rich protein-like 3 |
| 2768 | 13513 | AI237091 | JJJ | | sialyltransferase (N-acetyllacosaminide alpha 2,3-sialyltransferase), sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 6 (N-acetyllacosaminide alpha 2,3-sialyltransferase) |
| 881 | 21522 | AA944449 | EEE, MMM | | signal recognition particle 68kD |
| 1854 | 6823 | AI103793 | EEE, MMM | | signal sequence receptor, beta (translocon-associated protein beta) |
| 2628 | 7888 | AI233583 | FFF, GGG, PPP, General Core Tox Markers | | similar to arginyl-IRNA synthetase |
| 4050 | 6365 | NM_153628 | OO | | similar to signal peptidase complex (18kD) |
| 4050 | 6366 | NM_153628 | CC, LL, NN, OO | | similar to signal peptidase complex (18kD) |
| 2147 | 11623 | AI172471 | N, XX, YY, PPP, QQQ | | small EDRK-rich factor 2 |
| 1121 | 2939 | AA996885 | BB, CC, UU, DDD | | small inducible cytokine A19, small inducible cytokine subfamily A (Cys-Cys), member 19 |
| 732 | 22578 | AA924105 | X, Y | | small inducible cytokine A3, small inducible cytokine A6, small inducible cytokine A9, small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated, small inducible cytokine subfamily A, member 22 |

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TABLE 3
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| Seq ID | GLCC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 3010 | 17123 | M29295 | C, KK, FFF, GGG, HHH, General Alternate | | small nuclear ribonucleoprotein B, small nuclear ribonucleoprotein polypeptides B and B1 |
| 2357 | 12516 | A1179651 | UU | | SMT3 suppressor of mif two 3 homolog 2 (yeast) |
| 328 | 6676 | AA851967 | C | | solute carrier family 16 (monocarboxylic acid transporters), member 6 |
| 1813 | 23538 | A1102727 | A, B, Q, R | | solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 1, solute carrier family 20, member 2 |
| 573 | 17468 | AA892545 | E, I, J, KKK, NNN, OOO | | solute carrier family 22 (organic cation transporter), member 1-like |
| 3427 | 17340 | NM_021594 | E, BB, CC | | solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 2, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 2 |
| 222 | 15117 | AA819623 | OO | | sorting nexin 4 |
| 427 | 15115 | AA874928 | V, W, BB, CC | | sorting nexin 4 |
| 427 | 15116 | AA874928 | NN, PP, QQ, ZZ, AAA | | sorting nexin 4 |
| 2761 | 11404 | A1237002 | H, Z, KK, FFF, GGG, General Core Tox Markers | | spermidine synthase, spermine synthase |
| 3768 | 11403 | NM_053464 | H, FFF, General Core Tox Markers | | spermidine synthase, spermine synthase |
| 1437 | 11191 | A1013042 | I, J, III, JJJ, KKK, General Alternate | | sterol regulatory element binding transcription factor 1, sterol regulatory element binding transcription factor 2 |

TABLE 3

| Seq ID | CLGC ID No. | GenBank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|---------------------------------------|----------------------------------|---|
| 1432 | 11197 | AI012937 | UU | | stomatin (EPB72)-like 2 |
| 916 | 4207 | AA945591 | FF | | stromal cell derived factor 2, stromal cell-derived factor 2-like 1 |
| 3475 | 2384 | NM_022513 | X, Y | | sulfotransferase family 1B, member 1, sulfotransferase family, cytosolic, 1B, member 1 |
| 815 | 11691 | AA926193 | M, X, Y | | sulfotransferase family, cytosolic, 1C, member 1 |
| | | | X, Ili, JJJ, General Core Tox Markers | | |
| 1991 | 11693 | AI168953 | | | sulfotransferase family, cytosolic, 1C, member 1 |
| 2792 | 11692 | AI638982 | M | | sulfotransferase family, cytosolic, 1C, member 1 |
| 1943 | 10754 | AI137038 | FF | | suppressor of potassium transport defect 3, torsin family 1, member B, torsin family 1, member B (torsin B) |
| 71 | 1607 | AA799879 | C | | synaptogyrin 1, synaptogyrin 3, synaptogyrin 4 |
| 924 | 13751 | AA945699 | HH | | synaptosomal-associated protein, 23kD |
| 3506 | 20509 | NM_022689 | VV | | synaptosomal-associated protein, 23kD |
| 2130 | 6057 | AI172102 | E, DD, EE | | syntaxin 18 |
| 886 | 22457 | AA944572 | PPP, QQQ | | TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31 kD |
| 1967 | 11588 | AI138121 | V, AA | | testis expressed sequence 27 |
| 3910 | 18902 | NM_080887 | A, B | | thioredoxin-like (32kD), thioredoxin-like, 32kD |
| 2684 | 15004 | AI235224 | SS, EEE, Ili, JJJ, MMM | | tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) |
| 3834 | 15002 | NM_053819 | UU, EEE, Ili, JJJ, MMM | | tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) |
| 285 | 16329 | AA850542 | JJ, KK, FFF | | TNF receptor-associated factor 4, Tnf receptor associated factor 4 |
| 2468 | 17245 | AI229630 | T | | TRAM-like protein, translocating chain-associating membrane protein |
| 3692 | 16039 | NM_031811 | J, FF | | transaldolase 1 |
| 3480 | 7505 | NM_022534 | N | | transcobalamin 2, transcobalamin II; macrocytic anemia |
| 161 | 3709 | AA818192 | UU | | transcriptional adaptor 3-like |
| 2593 | 12463 | AI232706 | L, PP | | translin-associated factor X |

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| Seq ID | CLGC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--------------------------------|----------------------------------|---|
| 553 | 17405 | AA892313 | G, H | | tubulin-specific chaperone e |
| 2108 | 18994 | A1171759 | BB, CC | | tubulin-specific chaperone e |
| 117 | 9092 | AA800814 | Z, AA | | tumor necrosis factor (ligand) superfamily, member 13 |
| 487 | 9091 | AA891690 | VV | | tumor necrosis factor (ligand) superfamily, member 13 |
| 3216 | 1521 | NM_013091 | C, E, Q, R, General Alternate | | tumor necrosis factor receptor superfamily, member 12, tumor necrosis factor receptor superfamily, member 12 (translocating chain-association membrane protein), tumor necrosis factor receptor superfamily, member 1A, tumor necrosis factor receptor superfamily, member 1a, tumor necrosis factor receptor superfamily, member 22, tumor necrosis factor receptor superfamily, member 23 |
| 2016 | 15286 | A1169361 | UUU | | U1 small nuclear ribonucleoprotein 1C, small nuclear ribonucleoprotein polypeptide C |
| 1009 | 23762 | AA956431 | OO, PP, QQ | | U6 snRNA-associated Sm-like protein |
| 1062 | 2588 | AA964080 | UUU | | U6 snRNA-associated SM-like protein 4, U6 snRNA-associated Sm-like protein |
| 1264 | 17359 | A1007981 | GG | | ubiquinol-cytochrome c reductase complex (7.2 kD) |
| 1918 | 2501 | A112343 | Q, R | | ubiquitin fusion degradation 1 like, ubiquitin fusion degradation 1-like |
| 3917 | 18027 | NM_130407 | K, GG, HH | | UDP glycosyltransferase 1 family, polypeptide A8 |
| 2536 | 13469 | A1231479 | W | | UDP-glucose ceramide glucosyltransferase |
| 3625 | 18597 | NM_031325 | E, S, WW, DDD | | UDP-glucose dehydrogenase |
| 537 | 15576 | AA892132 | DDD | | uncharacterized hematopoietic stem/progenitor cells protein MDS032 |
| 2325 | 5887 | A1179099 | U, XX, BBB | | vanin 1 |
| 3778 | 16125 | NM_053514 | PP, WW, DDD, General Alternate | | Vertebrate LIN7 homolog 1, Tax interaction protein 33, vertebrate homolog of C. elegans Lin-7 type 3 |
| 3987 | 4593 | NM_138881 | W | | vipirin, viral hemorrhagic septicemia virus(VHSV) induced gene 1 |
| 3987 | 4594 | NM_138881 | W | | vipirin, viral hemorrhagic septicemia virus(VHSV) induced gene 1 |
| 3632 | 18539 | NM_031353 | KK | | voltage-dependent anion channel 1 |
| 3436 | 17885 | NM_021765 | X, Y, SS | | WD repeat domain 1, coatomer protein complex, subunit alpha, coatomer protein complex, subunit beta 2 (beta prime), expressed sequence A1256832 |
| 1260 | 3148 | A1007881 | B | | x 003 protein |

TABLE 3
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 Document No. 1935828.1

| Seq ID | GLCC ID No. | Genbank Acc or RefSeq ID | Model Code | Human Homologous Known Gene Name | Human Homologous Sequence Cluster Title |
|--------|-------------|--------------------------|--|----------------------------------|--|
| 2712 | 3617 | A1236021 | DD | | X-box binding protein 1 |
| 3888 | 12331 | NM_057155 | A, B, General Core Tox Markers | | X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound, membrane-bound aminopeptidase P |
| 3888 | 12332 | NM_057155 | General Core Tox Markers | | X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound, membrane-bound aminopeptidase P |
| 1259 | 4032 | A1007875 | Z, AA | | X-ray repair complementing defective repair in Chinese hamster cells 1 |
| 1637 | 6906 | A1059403 | DDD | | YY1 associated factor 2 |
| 2098 | 16102 | A1171586 | G, H | | zinc finger protein 259 |
| 1200 | 1201 | AB000929 | D | | zona pellucida glycoprotein 2, zona pellucida glycoprotein 2 (sperm receptor) |
| 2492 | 14662 | A1230413 | Z, AA | | ZW10 homolog (Drosophila), centromere/kinetochore protein, ZW10 homolog, centromere/kinetochore protein (Drosophila) |
| 4033 | 6824 | NM_147138 | G, H, X, Y, GGG, HHH, LLL, SSS, UUU, General Core Tox Markers | | ZW10 interactor |

| TABLE 4: MODEL CODES | | Attorney Docket 44921-5093-01-WO Document No. 1935323.1 | | |
|----------------------|-----------------|--|---------------------|------------|
| Model | Model Type | Timepoint (hrs) | Model Mode | Model Code |
| ANIT | Single Compound | 24,48 | Core Tox Markers | A |
| ANIT | Single Compound | 24,48 | Alternate | B |
| 2-A35AAF | Single Compound | 6 | Core Tox Markers | C |
| ACYCLOVIR | Single Compound | 24,168 | Core Tox Markers | D |
| ACYCLOVIR | Single Compound | 6 | Core Tox Markers | E |
| 2-AAF | Single Compound | 24,48 | Core Tox Markers | F |
| APAP | Single Compound | 24 | Core Tox Markers | G |
| APAP | Single Compound | 24 | Alternate | H |
| APAP | Single Compound | 3,6 | Core Tox Markers | I |
| APAP | Single Compound | 3,6 | Alternate | J |
| AY-25329 | Single Compound | 24 | Core Tox Markers | K |
| AY-25329 | Single Compound | 6 | Core Tox Markers | L |
| BI-Liver Toxin | Single Compound | 168,336 | Core Tox Markers | M |
| BICALUTAMIDE | Single Compound | 6,24,168 | Core Tox Markers | N |
| CCL4 | Single Compound | 24,48 | Core Tox Markers | O |
| CCL4 | Single Compound | 24,48 | Alternate | P |
| CCL4 | Single Compound | 3,6 | Core Tox Markers | Q |
| CCL4 | Single Compound | 3,6 | Alternate | R |
| Chloroform | Single Compound | 6,24 | Core Tox Markers | S |
| CI-1000 | Single Compound | 6 | Core Tox Markers | T |
| CLOFIBRATE | Single Compound | 24,72 | Core Tox Markers | U |
| Colchicine | Single Compound | 24,48 | Core Tox Markers | V |
| Colchicine | Single Compound | 6 | Core Tox Markers | W |
| CPA | Single Compound | 24,120 | Core Tox Markers | X |
| CPA | Single Compound | 24,120 | Alternate | Y |
| CPA | Single Compound | 6 | Core Tox Markers | Z |
| CPA | Single Compound | 6 | Alternate | AA |
| DICLOFENAC | Single Compound | 24 | Core Tox Markers | BB |
| DICLOFENAC | Single Compound | 24 | Alternate | CC |

| TABLE 4: MODEL CODES | | Attorney Docket 44921-5038-01-WO Document No. 1935323.1 | | |
|------------------------|-------------------|--|---------------------|------------|
| Model | Model Type | Timepoint (hrs) | Model Mode | Model Code |
| DICLOFENAC | Single Compound | 3,6 | Core Tox Markers | DD |
| DICLOFENAC | Single Compound | 3,6 | Alternate | EE |
| DIFLUNISAL | Single Compound | 24 | Core Tox Markers | FF |
| DIOXIN | Single Compound | 168 | Core Tox Markers | GG |
| DIOXIN | Single Compound | 6,24 | Core Tox Markers | HH |
| DMN | Single Compound | 6,24 | Core Tox Markers | II |
| ESTRADIOL | Single Compound | 24,240 | Core Tox Markers | JJ |
| ESTRADIOL | Single Compound | 24,240 | Alternate | KK |
| Gemfibrozil | Single Compound | 24,168 | Core Tox Markers | LL |
| HYDRAZINE | Single Compound | 3,6,24 | Core Tox Markers | MM |
| INDOMETHACIN | Single Compound | 48,72 | Core Tox Markers | NN |
| INDOMETHACIN | Single Compound | 48,72 | Alternate | OO |
| INDOMETHACIN | Single Compound | 6,24 | Core Tox Markers | PP |
| INDOMETHACIN | Single Compound | 6,24 | Alternate | QQ |
| Menadione | Single Compound | 24 | Core Tox Markers | RR |
| Menadione | Single Compound | 3,6 | Core Tox Markers | SS |
| PHENOBARBITAL | Single Compound | 24,48 | Core Tox Markers | TT |
| TACRINE | Single Compound | 6 | Core Tox Markers | UU |
| Thioacetamide | Single Compound | 24,48 | Core Tox Markers | VV |
| Thioacetamide | Single Compound | 6 | Core Tox Markers | WW |
| VALPROATE | Single Compound | 24,96 | Core Tox Markers | XX |
| VALPROATE | Single Compound | 24,96 | Alternate | YY |
| VALPROATE | Single Compound | 6 | Core Tox Markers | ZZ |
| VALPROATE | Single Compound | 6 | Alternate | AAA |
| WY-14643 | Single Compound | 24,168 | Core Tox Markers | BBB |
| WY-14643 | Single Compound | 24,168 | Alternate | CCC |
| ZILEUTON | Single Compound | 24,336 | Core Tox Markers | DDD |
| LPS | Single Compound | 24 | Core Tox Markers | EEE |
| Carcinogen - Genotoxic | Multiple Compound | Various | Core Tox Markers | FFF |

| TABLE 4: MODEL CODES | | Attorney Docket 44921-5033-01-WO Document No. 1935823.1 | | |
|---|------------------------|--|---------------------|--------------------------------|
| Model | Model Type | Timepoint (hrs) | Model Mode | Model Code |
| Carcinogen - Non-Genotoxic | Multiple Compound | Various | Core Tox Markers | GGG |
| Cholestasis | Multiple Compound | Various | Core Tox Markers | HHH |
| Hepatitis | Multiple Compound | Various | Core Tox Markers | III |
| Hepatitis | Multiple Compound | Various | Alternate | JJJ |
| Human-specific | Multiple Compound | Various | Core Tox Markers | KKK |
| Inducer and Liver Enlargement | Multiple Compound | Various | Core Tox Markers | LLL |
| Inflammation | Multiple Compound | Various | Core Tox Markers | MMM |
| Mixed Phenotype | Multiple Compound | Various | Core Tox Markers | NNN |
| Necrosis | Multiple Compound | Various | Core Tox Markers | OOO |
| Necrosis and Steatosis | Multiple Compound | Various | Core Tox Markers | PPP |
| Necrosis and Steatosis | Multiple Compound | Various | Alternate | QQQ |
| Peroxisome Proliferator | Multiple Compound | Various | Core Tox Markers | RRR |
| Rat-specific Carcinogen - Non-Genotoxic | Multiple Compound | Various | Core Tox Markers | SSS |
| Steatosis | Multiple Compound | Various | Core Tox Markers | TTT |
| Rat-specific | Multiple Compound | Various | Core Tox Markers | UUU |
| Cross-species | General Hepatotoxicity | Various | Core Tox Markers | General Core Tox Markers |
| Cross-species | General Hepatotoxicity | Various | Alternate | General Alternate |

| TABLE 5A: ANIT | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24237 | 98.99 | 552.75 | 59.09 | 186.2 | 105.76 |
| 2459 | 98.73 | 86.15 | 11.04 | 27.11 | 44.18 |
| 20529 | 98.59 | 486.13 | 85.72 | 130.35 | 190.47 |
| 12577 | 98.3 | 490.32 | 59.77 | 157.12 | 145.11 |
| 488 | 98.27 | 370.49 | 140.66 | 146.73 | 741.39 |
| 5046 | 98.19 | 230.1 | 39.55 | 76.86 | 40.81 |
| 9583 | 98.19 | 454.49 | 193.13 | 59.72 | 95.87 |
| 25052 | 98.17 | 163.78 | 79.47 | 33.34 | 140.24 |
| 9757 | 97.77 | 537.15 | 109.35 | 281.58 | 67.48 |
| 1501 | 97.77 | 1234.63 | 180.75 | 498.76 | 246.64 |
| 23521 | 97.48 | 617.74 | 133.41 | 191.96 | 140.78 |
| 22487 | 97.45 | 191.47 | 42.85 | 64.92 | 35.49 |
| 25747 | 97.45 | 1202.81 | 298.18 | 422.44 | 227.36 |
| 24453 | 97.4 | 351.02 | 97.96 | 89.23 | 52.72 |
| 5466 | 97.27 | 248.92 | 71.12 | 108.93 | 35.96 |
| 21318 | 97.21 | 104.83 | 14.8 | 34.41 | 43.77 |
| 13088 | 97.19 | 205.31 | 85.24 | 1280.74 | 435.78 |
| 23869 | 97.13 | 231.38 | 63.79 | 64.48 | 132.42 |
| 8584 | 97.11 | 359.89 | 91.62 | 1402.68 | 635.33 |
| 8344 | 96.92 | 1258.6 | 166.95 | 510.74 | 277.15 |
| 14153 | 96.84 | 109.43 | 20.3 | 41.89 | 63.65 |
| 1902 | 96.84 | 71.19 | 9.08 | 226.69 | 107.25 |
| 2319 | 96.73 | 196.38 | 32.42 | 539.12 | 174.84 |
| 23445 | 96.63 | 24.86 | 11.25 | 236.59 | 130.44 |
| 25689 | 96.6 | 1482.26 | 155.11 | 844.82 | 394.8 |
| 5934 | 96.55 | 41.26 | 24.27 | 369.78 | 165.15 |
| 2809 | 96.44 | 71.08 | 11.1 | 27.79 | 23.85 |
| 3244 | 96.44 | 33 | 5.11 | 70.94 | 20.9 |
| 23538 | 96.1 | 219.13 | 87.76 | 99.68 | 108.01 |
| 17540 | 96.1 | 1323.16 | 194.28 | 663.01 | 265.99 |
| 25024 | 96.04 | 646.27 | 86.64 | 1410.77 | 553.78 |
| 23872 | 95.83 | 221.05 | 100.17 | 74.03 | 154.93 |
| 2441 | 95.83 | 171.72 | 25.98 | 87.3 | 34.5 |
| 2802 | 95.8 | 745.44 | 99.02 | 356.61 | 137.25 |
| 17664 | 95.75 | 641.23 | 161 | 279.44 | 160.86 |
| 3916 | 95.72 | 797.88 | 120.65 | 1542.05 | 408.94 |
| 12542 | 95.72 | 214.11 | 23.56 | 439.06 | 150.01 |
| 3665 | 95.72 | 400.05 | 57.65 | 198.35 | 75.55 |
| 3773 | 95.62 | 200.17 | 65.16 | 67.4 | 60.57 |
| 17334 | 95.59 | 332.24 | 37.36 | 176.57 | 86.55 |
| 6017 | 95.59 | 54.76 | 35.28 | 784.95 | 505.02 |
| 22501 | 95.54 | 225.58 | 26.36 | 143.61 | 50.69 |
| 22582 | 95.54 | 176.7 | 33.43 | 438.83 | 142.19 |
| 21572 | 95.41 | 592.87 | 73.06 | 337.66 | 111.64 |
| 14560 | 95.35 | 190.26 | 36.32 | 114.14 | 52.18 |
| 21993 | 95.17 | 99.9 | 21.8 | 57.41 | 36.32 |
| 16321 | 95.06 | 213.4 | 20.56 | 128.1 | 42.4 |
| 1409 | 95.01 | 205.01 | 39.55 | 411.9 | 113.42 |
| 20983 | 94.95 | 440.59 | 131.05 | 1000.31 | 290.66 |
| 6613 | 94.93 | 364.29 | 63.25 | 720.1 | 228.95 |
| 62 | 94.82 | 50.4 | 14.44 | 118.79 | 37.33 |

| TABLE 5A: ANIT | | | | | |
|--------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12331 | 94.77 | 96.21 | 34.92 | 329.07 | 129.02 |
| 20891 | 94.77 | 222.12 | 39.38 | 105.73 | 53.58 |
| 2569 | 94.72 | 283.21 | 98.85 | 910.74 | 287.92 |
| 18902 | 94.69 | 348.23 | 36.04 | 207.64 | 68.65 |
| 10363 | 94.66 | 125.62 | 16.92 | 223.36 | 61.18 |
| 22413 | 94.64 | 1042.17 | 247.16 | 426.57 | 245.01 |
| 1246 | 94.64 | 21.33 | 9.13 | 78.41 | 30.25 |
| 8549 | 94.61 | 249.65 | 51.25 | 663.93 | 226.14 |
| 19712 | 94.56 | 58.27 | 14.39 | 140.93 | 49.49 |
| 6585 | 94.56 | 148.05 | 59.78 | 56.41 | 73.31 |
| 15372 | 94.53 | 298.67 | 45.21 | 182.61 | 54.97 |
| 25567 | 94.5 | 287.31 | 67.85 | 144.5 | 141.52 |
| 9150 | 94.48 | 765.05 | 74.86 | 542.38 | 139.66 |
| 6072 | 94.34 | 1123.87 | 157.59 | 1865.56 | 459.23 |
| 17507 | 94.34 | 653.29 | 69.84 | 426.71 | 114.42 |
| 9842 | 94.32 | 932.29 | 145.79 | 1605.99 | 413.18 |
| 19363 | 94.24 | 335.33 | 156.81 | 1903.78 | 901.87 |
| 3191 | 94.21 | 460.97 | 69.65 | 288.06 | 117.53 |
| 2799 | 94.21 | 124.02 | 33.41 | 493.85 | 224.72 |
| 20299 | 94.18 | 275.82 | 63.75 | 727.54 | 248.68 |
| 18315 | 94.08 | 111.16 | 28.31 | 46.38 | 38.06 |
| 6015 | 94.05 | 838.88 | 114.92 | 1508.71 | 396.35 |
| 9191 | 94.03 | 199.23 | 77.83 | 693.81 | 285.32 |
| 22005 | 94.03 | 166.87 | 42.15 | 71.94 | 46.17 |
| 11608 | 94 | 42.31 | 7.96 | 20.84 | 11.8 |
| 20502 | 93.97 | 1646.55 | 356.92 | 3230.99 | 912.05 |
| 7697 | 93.95 | 191.93 | 44.06 | 452.46 | 149.81 |
| 1562 | 93.89 | 472.76 | 94.52 | 883.41 | 225.53 |
| 9029 | 93.81 | 626.36 | 94.46 | 378.51 | 189.03 |
| 5899 | 93.76 | 640.44 | 154.51 | 1218.47 | 346.05 |
| 6403 | 93.76 | 112.12 | 25.49 | 59.08 | 28.84 |
| 16883 | 93.68 | 1388.39 | 131.94 | 2056.29 | 532.88 |
| 25479 | 93.6 | 870.55 | 66.41 | 1191.63 | 285.25 |
| 16993 | 93.57 | 548.16 | 138.45 | 1060.21 | 295.06 |
| 13294 | 93.55 | 547.53 | 69.75 | 347.35 | 106.73 |
| 1447 | 93.49 | 346.96 | 28.7 | 240.68 | 59.95 |
| 3755 | 93.47 | 261.07 | 39.71 | 146.88 | 162.03 |
| 15028 | 93.44 | 1069.77 | 84.48 | 1751.57 | 516.3 |
| 9016 | 93.31 | 1162.4 | 234.21 | 2638.32 | 991.62 |
| 22234 | 93.31 | 71.97 | 17.32 | 178.27 | 75.7 |
| 17688 | 93.31 | 96.81 | 18.02 | 55.85 | 29.66 |
| 15551 | 93.28 | 234.44 | 17.57 | 327.59 | 67.42 |
| 16625 | 93.28 | 498.4 | 50.08 | 345.84 | 83.51 |
| 16370 | 93.18 | 104.88 | 40.52 | 308.46 | 129.52 |
| 10310 | 93.18 | 406.77 | 47.19 | 264.53 | 84.75 |
| 15042 | 93.17 | 284.8 | 88.21 | 33.91 | 59.77 |
| 11164 | 93.15 | 222.25 | 38.73 | 500.62 | 201.04 |
| 4914 | 93.12 | 242.21 | 59.13 | 481.7 | 150.93 |
| 548 | 92.96 | 81.78 | 39.86 | 400.34 | 222.78 |
| 20350 | 92.96 | 137.74 | 20.15 | 236.93 | 65.42 |
| 1475 | 92.88 | 193.91 | 103.16 | 83.12 | 266.04 |

| TABLE 5A: ANIT | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4234 | 92.75 | 800.15 | 73.28 | 615.39 | 299.27 |
| 22513 | 92.69 | 1097.94 | 598.31 | 33.48 | 789.66 |
| 16592 | 92.56 | 214.08 | 88.03 | 58.71 | 22.56 |
| 851 | 92.54 | 267.66 | 40.6 | 437.35 | 105.76 |
| 13283 | 92.51 | 411.12 | 138.92 | 901.88 | 273.11 |
| 18393 | 92.43 | 174.49 | 24.11 | 110.39 | 35.54 |
| 10887 | 92.41 | 51.42 | 15.37 | 106.27 | 32.78 |
| 134 | 92.35 | 42.57 | 17.12 | 118.45 | 52.1 |
| 20056 | 92.35 | 56.21 | 14.55 | 109.74 | 33.89 |
| 18687 | 92.06 | 1004.3 | 203.75 | 660.4 | 590.49 |
| 10016 | 91.95 | 234.95 | 78.24 | 91.81 | 48.08 |
| 16726 | 91.85 | 464.14 | 97.03 | 793.26 | 196.5 |
| 1279 | 91.84 | 100.52 | 31.11 | 42.37 | 17.18 |
| 20849 | 91.79 | 290.11 | 72.21 | 137.48 | 46.69 |
| 20848 | 91.68 | 549.32 | 149.49 | 258.15 | 85.41 |
| 11635 | 91.64 | 164.73 | 26.59 | 292.15 | 88.4 |
| 4242 | 91.58 | 168.33 | 87.42 | 519.88 | 210.91 |
| 24771 | 91.56 | 726.52 | 109.21 | 1109.16 | 317.35 |
| 11940 | 91.53 | 53.34 | 7.14 | 34.25 | 13.02 |
| 1221 | 91.47 | 238.01 | 111.68 | 32.15 | 122.25 |
| 15301 | 91.47 | 122.31 | 39.53 | 25.52 | 129.2 |
| 20741 | 91.36 | 120.33 | 40.28 | 21.7 | 29.48 |
| 19073 | 91.36 | 463.97 | 92.72 | 247.43 | 62.06 |
| 17894 | 91.28 | 100.57 | 22.68 | 47.05 | 20.73 |
| 17590 | 91.26 | 246.76 | 80.2 | 105.69 | 45.59 |
| 23522 | 91.2 | 131.04 | 23.29 | 58.41 | 35.67 |
| 24810 | 91.18 | 81.64 | 54.19 | 418.44 | 149.94 |
| 16364 | 91.18 | 56.87 | 26.35 | 179.75 | 88.24 |
| 25055 | 90.87 | 525.23 | 275.37 | 240.95 | 544.68 |
| 8317 | 90.87 | 346.03 | 65.34 | 636.76 | 222.22 |
| 14016 | 90.86 | 160.55 | 32.68 | 83.49 | 24.91 |
| 15141 | 90.81 | 224.67 | 32.54 | 145.63 | 47.8 |
| 23895 | 90.81 | 122.62 | 29.34 | 57.38 | 19.8 |
| 11849 | 90.71 | 921.51 | 68.21 | 746.33 | 165.53 |
| 18573 | 90.68 | 180.81 | 15.83 | 133 | 34 |
| 3853 | 90.57 | 26.76 | 7.21 | 52.95 | 20.3 |
| 15175 | 90.52 | 163.6 | 14.59 | 232.32 | 67.52 |
| 20862 | 90.49 | 128.2 | 36.88 | 273.07 | 97.03 |
| 16457 | 90.47 | 258.16 | 38.97 | 168.5 | 78.82 |
| 16681 | 90.46 | 448.3 | 120 | 137.14 | 101.66 |
| 25084 | 90.39 | 72.69 | 19.58 | 141.28 | 54.47 |
| 14017 | 90.38 | 156.42 | 54.15 | 71.98 | 28.9 |
| 573 | 90.31 | 437.54 | 98.96 | 895.06 | 345.38 |
| 20914 | 90.28 | 699.87 | 187.45 | 234.22 | 310.14 |
| 21693 | 90.15 | 603.17 | 91.99 | 882.78 | 201.72 |
| 20772 | 90.14 | 105.17 | 30.65 | 53.17 | 24.79 |
| 18675 | 90.12 | 454.84 | 42.72 | 801.32 | 503.38 |
| 20986 | 90.1 | 119.18 | 41.95 | 339.57 | 171.45 |
| 24811 | 90.09 | 578.74 | 275.87 | 1508.7 | 454.28 |
| 19824 | 89.99 | 140.97 | 49.64 | 374.3 | 163.61 |
| 18316 | 89.96 | 214.28 | 53.79 | 73.62 | 59.85 |

| TABLE 5A: ANIT | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25467 | 89.94 | 111.59 | 66.67 | 368.48 | 173.35 |
| 3404 | 89.85 | 203.83 | 33.04 | 126.96 | 43.38 |
| 24767 | 89.85 | 250.13 | 58.48 | 113.77 | 45.71 |
| 18727 | 89.8 | 984.02 | 129.49 | 762.82 | 383.67 |
| 3424 | 89.8 | 54.38 | 8.67 | 34.22 | 15.48 |
| 4450 | 89.78 | 105.92 | 32.55 | 197.38 | 61.02 |
| 14959 | 89.78 | 701.59 | 85.62 | 537.61 | 175.22 |
| 23868 | 89.77 | 831.02 | 335.24 | 233.04 | 687.83 |

| TABLE 5B: ANIT | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2459 | 98.73 | 86.15 | 11.04 | 27.11 | 44.18 |
| 9583 | 98.19 | 454.49 | 193.13 | 59.72 | 95.87 |
| 5046 | 98.19 | 230.1 | 39.55 | 76.86 | 40.81 |
| 9757 | 97.77 | 537.15 | 109.35 | 281.58 | 67.48 |
| 23521 | 97.48 | 617.74 | 133.41 | 191.96 | 140.78 |
| 5466 | 97.27 | 248.92 | 71.12 | 108.93 | 35.96 |
| 21318 | 97.21 | 104.83 | 14.8 | 34.41 | 43.77 |
| 8584 | 97.11 | 359.89 | 91.62 | 1402.68 | 635.33 |
| 8344 | 96.92 | 1258.6 | 166.95 | 510.74 | 277.15 |
| 1902 | 96.84 | 71.19 | 9.08 | 226.69 | 107.25 |
| 14153 | 96.84 | 109.43 | 20.3 | 41.89 | 63.65 |
| 2319 | 96.73 | 196.38 | 32.42 | 539.12 | 174.84 |
| 25689 | 96.6 | 1482.26 | 155.11 | 844.82 | 394.8 |
| 3244 | 96.44 | 33 | 5.11 | 70.94 | 20.9 |
| 2809 | 96.44 | 71.08 | 11.1 | 27.79 | 23.85 |
| 17540 | 96.1 | 1323.16 | 194.28 | 663.01 | 265.99 |
| 23538 | 96.1 | 219.13 | 87.76 | 99.68 | 108.01 |
| 2441 | 95.83 | 171.72 | 25.98 | 87.3 | 34.5 |
| 17664 | 95.75 | 641.23 | 161 | 279.44 | 160.86 |
| 3665 | 95.72 | 400.05 | 57.65 | 198.35 | 75.55 |
| 12542 | 95.72 | 214.11 | 23.56 | 439.06 | 150.01 |
| 3773 | 95.62 | 200.17 | 65.16 | 67.4 | 60.57 |
| 6017 | 95.59 | 54.76 | 35.28 | 784.95 | 505.02 |
| 17334 | 95.59 | 332.24 | 37.36 | 176.57 | 86.55 |
| 22582 | 95.54 | 176.7 | 33.43 | 438.83 | 142.19 |
| 22501 | 95.54 | 225.58 | 26.36 | 143.61 | 50.69 |
| 21572 | 95.41 | 592.87 | 73.06 | 337.66 | 111.64 |
| 14560 | 95.35 | 190.26 | 36.32 | 114.14 | 52.18 |
| 21993 | 95.17 | 99.9 | 21.8 | 57.41 | 36.32 |
| 16321 | 95.06 | 213.4 | 20.56 | 128.1 | 42.4 |
| 1409 | 95.01 | 205.01 | 39.55 | 411.9 | 113.42 |
| 62 | 94.82 | 50.4 | 14.44 | 118.79 | 37.33 |
| 20891 | 94.77 | 222.12 | 39.38 | 105.73 | 53.58 |
| 12331 | 94.77 | 96.21 | 34.92 | 329.07 | 129.02 |
| 18902 | 94.69 | 348.23 | 36.04 | 207.64 | 68.65 |
| 10363 | 94.66 | 125.62 | 16.92 | 223.36 | 61.18 |
| 1246 | 94.64 | 21.33 | 9.13 | 78.41 | 30.25 |
| 22413 | 94.64 | 1042.17 | 247.16 | 426.57 | 245.01 |
| 19712 | 94.56 | 58.27 | 14.39 | 140.93 | 49.49 |
| 15372 | 94.53 | 298.67 | 45.21 | 182.61 | 54.97 |
| 25567 | 94.5 | 287.31 | 67.85 | 144.5 | 141.52 |
| 9150 | 94.48 | 765.05 | 74.86 | 542.38 | 139.66 |
| 17507 | 94.34 | 653.29 | 69.84 | 426.71 | 114.42 |
| 9842 | 94.32 | 932.29 | 145.79 | 1605.99 | 413.18 |
| 2799 | 94.21 | 124.02 | 33.41 | 493.85 | 224.72 |
| 3191 | 94.21 | 460.97 | 69.65 | 288.06 | 117.53 |
| 20299 | 94.18 | 275.82 | 63.75 | 727.54 | 248.68 |
| 18315 | 94.08 | 111.16 | 28.31 | 46.38 | 38.06 |
| 6015 | 94.05 | 838.88 | 114.92 | 1508.71 | 396.35 |
| 22005 | 94.03 | 166.87 | 42.15 | 71.94 | 46.17 |
| 9191 | 94.03 | 199.23 | 77.83 | 693.81 | 285.32 |

| TABLE 5B: ANIT | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | | | |
| Attorney Docket 44921-5033-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLC/C Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7697 | 93.95 | 191.93 | 44.06 | 452.46 | 149.81 |
| 9029 | 93.81 | 626.36 | 94.46 | 378.51 | 189.03 |
| 6403 | 93.76 | 112.12 | 25.49 | 59.08 | 28.84 |
| 16883 | 93.68 | 1388.39 | 131.94 | 2056.29 | 532.88 |
| 25479 | 93.6 | 870.55 | 66.41 | 1191.63 | 285.25 |
| 16993 | 93.57 | 548.16 | 138.45 | 1060.21 | 295.06 |
| 13294 | 93.55 | 547.53 | 69.75 | 347.35 | 106.73 |
| 3755 | 93.47 | 261.07 | 39.71 | 146.88 | 162.03 |
| 15028 | 93.44 | 1069.77 | 84.48 | 1751.57 | 516.3 |
| 17688 | 93.31 | 96.81 | 18.02 | 55.85 | 29.66 |
| 22234 | 93.31 | 71.97 | 17.32 | 178.27 | 75.7 |
| 9016 | 93.31 | 1162.4 | 234.21 | 2638.32 | 991.62 |
| 16625 | 93.28 | 498.4 | 50.08 | 345.84 | 83.51 |
| 15551 | 93.28 | 234.44 | 17.57 | 327.59 | 67.42 |
| 10310 | 93.18 | 406.77 | 47.19 | 264.53 | 84.75 |
| 16370 | 93.18 | 104.88 | 40.52 | 308.46 | 129.52 |
| 15042 | 93.17 | 284.8 | 88.21 | 33.91 | 59.77 |
| 11164 | 93.15 | 222.25 | 38.73 | 500.62 | 201.04 |
| 4914 | 93.12 | 242.21 | 59.13 | 481.7 | 150.93 |
| 20350 | 92.96 | 137.74 | 20.15 | 236.93 | 65.42 |
| 548 | 92.96 | 81.78 | 39.86 | 400.34 | 222.78 |
| 1475 | 92.88 | 193.91 | 103.16 | 83.12 | 266.04 |
| 3899 | 92.83 | 96.32 | 41.91 | 21.95 | 44.01 |
| 4234 | 92.75 | 800.15 | 73.28 | 615.39 | 299.27 |
| 1903 | 92.72 | 56.39 | 19.03 | 147.88 | 56.04 |
| 8490 | 92.72 | 119.85 | 32.93 | 278.97 | 111.07 |
| 4330 | 92.59 | 755.24 | 183.96 | 1521.88 | 457.64 |
| 4444 | 92.59 | 129.39 | 56.52 | 619.81 | 352.4 |
| 23626 | 92.57 | 250.14 | 42.6 | 140.14 | 88.8 |
| 16592 | 92.56 | 214.08 | 88.03 | 58.71 | 22.56 |
| 851 | 92.54 | 267.66 | 40.6 | 437.35 | 105.76 |
| 6016 | 92.54 | 1064.87 | 222.3 | 2103.57 | 767.23 |
| 13283 | 92.51 | 411.12 | 138.92 | 901.88 | 273.11 |
| 22709 | 92.51 | 189.43 | 17 | 130.59 | 38.72 |
| 18393 | 92.43 | 174.49 | 24.11 | 110.39 | 35.54 |
| 3148 | 92.43 | 159.76 | 26.32 | 96.93 | 37.58 |
| 10887 | 92.41 | 51.42 | 15.37 | 106.27 | 32.78 |
| 20056 | 92.35 | 56.21 | 14.55 | 109.74 | 33.89 |
| 134 | 92.35 | 42.57 | 17.12 | 118.45 | 52.1 |
| 15090 | 92.17 | 102.81 | 11.53 | 70.7 | 24.33 |
| 18687 | 92.06 | 1004.3 | 203.75 | 660.4 | 590.49 |
| 22929 | 91.95 | 30.04 | 141.03 | 1245.69 | 785.33 |
| 21185 | 91.95 | 102.23 | 10.79 | 185.01 | 74.91 |
| 22681 | 91.95 | 595.67 | 194.19 | 156.78 | 360.23 |
| 20503 | 91.93 | 339.6 | 142.1 | 908.86 | 344.4 |
| 22746 | 91.87 | 716.93 | 339.36 | 275.94 | 128.02 |
| 16726 | 91.85 | 464.14 | 97.03 | 793.26 | 196.5 |
| 18239 | 91.76 | 151.7 | 46.38 | 30.76 | 27.09 |
| 21135 | 91.74 | 542.76 | 101.64 | 261.69 | 84.73 |
| 20848 | 91.68 | 549.32 | 149.49 | 258.15 | 85.41 |
| 11635 | 91.64 | 164.73 | 26.59 | 292.15 | 88.4 |

| TABLE 5B: ANIT | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4242 | 91.58 | 168.33 | 87.42 | 519.88 | 210.91 |
| 24771 | 91.56 | 726.52 | 109.21 | 1109.16 | 317.35 |
| 15301 | 91.47 | 122.31 | 39.53 | 25.52 | 129.2 |
| 16364 | 91.18 | 56.87 | 26.35 | 179.75 | 88.24 |
| 25055 | 90.87 | 525.23 | 275.37 | 240.95 | 544.68 |
| 8317 | 90.87 | 346.03 | 65.34 | 636.76 | 222.22 |
| 23895 | 90.81 | 122.62 | 29.34 | 57.38 | 19.8 |
| 11849 | 90.71 | 921.51 | 68.21 | 746.33 | 165.53 |
| 18573 | 90.68 | 180.81 | 15.83 | 133 | 34 |
| 3853 | 90.57 | 26.76 | 7.21 | 52.95 | 20.3 |
| 15175 | 90.52 | 163.6 | 14.59 | 232.32 | 67.52 |
| 20862 | 90.49 | 128.2 | 36.88 | 273.07 | 97.03 |
| 16457 | 90.47 | 258.16 | 38.97 | 168.5 | 78.82 |
| 16681 | 90.46 | 448.3 | 120 | 137.14 | 101.66 |
| 25084 | 90.39 | 72.69 | 19.58 | 141.28 | 54.47 |
| 573 | 90.31 | 437.54 | 98.96 | 895.06 | 345.38 |
| 20914 | 90.28 | 699.87 | 187.45 | 234.22 | 310.14 |
| 21693 | 90.15 | 603.17 | 91.99 | 882.78 | 201.72 |
| 18675 | 90.12 | 454.84 | 42.72 | 801.32 | 503.38 |
| 20986 | 90.1 | 119.18 | 41.95 | 339.57 | 171.45 |
| 24811 | 90.09 | 578.74 | 275.87 | 1508.7 | 454.28 |
| 19824 | 89.99 | 140.97 | 49.64 | 374.3 | 163.61 |
| 18316 | 89.96 | 214.28 | 53.79 | 73.62 | 59.85 |
| 25467 | 89.94 | 111.59 | 66.67 | 368.48 | 173.35 |
| 3404 | 89.85 | 203.83 | 33.04 | 126.96 | 43.38 |
| 24767 | 89.85 | 250.13 | 58.48 | 113.77 | 45.71 |
| 18727 | 89.8 | 984.02 | 129.49 | 762.82 | 383.67 |
| 3424 | 89.8 | 54.38 | 8.67 | 34.22 | 15.48 |
| 4450 | 89.78 | 105.92 | 32.55 | 197.38 | 61.02 |
| 14959 | 89.78 | 701.59 | 85.62 | 537.61 | 175.22 |
| 10015 | 89.69 | 237 | 51.83 | 138.38 | 51.63 |
| 8984 | 89.59 | 256.58 | 34.93 | 180.31 | 59.1 |
| 794 | 89.53 | 316.9 | 115.66 | 804.35 | 226.8 |
| 135 | 89.51 | 151.91 | 51.95 | 307.31 | 109.91 |
| 25253 | 89.35 | 439.15 | 56.73 | 318.54 | 103.02 |
| 2853 | 89.29 | 104.78 | 44.91 | 57.6 | 45.88 |
| 16809 | 89.29 | 70.8 | 29.74 | 29.65 | 25.74 |
| 8427 | 89.11 | 87.45 | 26.35 | 32.28 | 25.18 |
| 10886 | 89.08 | 462.77 | 93.13 | 979.14 | 410.34 |
| 3202 | 89 | 407.43 | 102.77 | 231.19 | 103.1 |
| 16081 | 88.95 | 255.15 | 102.05 | 127.99 | 198.1 |
| 23166 | 88.92 | 334.4 | 89.15 | 175.55 | 67.66 |
| 22196 | 88.92 | 101.03 | 18.56 | 47.81 | 31.85 |
| 1058 | 88.89 | 586.8 | 143.21 | 229.69 | 139.9 |
| 4360 | 88.87 | 156.91 | 28.72 | 264.82 | 129.03 |
| 23523 | 88.84 | 376.63 | 90.88 | 197.68 | 97.87 |
| 2505 | 88.79 | 384.65 | 80.74 | 754.79 | 191.47 |
| 23987 | 88.76 | 310.12 | 73.59 | 169.54 | 68.61 |
| 17401 | 88.74 | 136.51 | 57.64 | 434.54 | 217.31 |
| 23417 | 88.68 | 366.68 | 46.07 | 229.37 | 72.26 |
| 15925 | 88.64 | 230.14 | 21.75 | 360.92 | 152.39 |

| TABLE 5B: ANIT | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs. | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 820 | 88.5 | 1406.57 | 132.95 | 2101.86 | 665.57 |
| 13647 | 88.47 | 1553.38 | 170.97 | 1019.81 | 337.66 |
| 811 | 88.31 | 404.42 | 69.59 | 677.51 | 148.23 |
| 17613 | 88.23 | 489.47 | 69.01 | 306.16 | 126.07 |
| 18686 | 88.18 | 1174.3 | 178.47 | 705.85 | 614.14 |
| 21066 | 88.12 | 90.2 | 8.32 | 59.32 | 19.24 |
| 12087 | 88 | 689.77 | 141.68 | 1028.9 | 314.22 |
| 24219 | 88 | 519.04 | 78.12 | 380.22 | 189.11 |
| 19825 | 88 | 137.46 | 61.65 | 356.04 | 162.35 |
| 10509 | 87.99 | 24.56 | 33.79 | 139.01 | 53.7 |
| 9621 | 87.84 | 356.7 | 47.85 | 281.34 | 81.86 |
| 24597 | 87.83 | 433.97 | 80.84 | 254.9 | 98.22 |

| TABLE 5C: F2-A35AAF | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17361 | 99.76 | 465.4 | 15.85 | 70.5 | 56.92 |
| 6633 | 99.63 | 2721.9 | 145.79 | 1244.27 | 324.35 |
| 3431 | 99.58 | 2282.03 | 95.33 | 1041.4 | 307.24 |
| 2354 | 99.55 | 2473.4 | 243.84 | 814.61 | 278.23 |
| 18783 | 99.52 | 969.76 | 52.82 | 389.14 | 111.25 |
| 9674 | 99.47 | 2964.53 | 388.34 | 318.36 | 283.69 |
| 11314 | 99.42 | 210.81 | 10.74 | 98.76 | 30.4 |
| 488 | 99.42 | 6027.7 | 561.1 | 132.21 | 675.47 |
| 7642 | 99.39 | 25.24 | 7.36 | 122.71 | 35.14 |
| 489 | 99.39 | 3010.61 | 579.81 | 28.39 | 314.03 |
| 14915 | 99.34 | 364.58 | 11.61 | 651.15 | 127.71 |
| 576 | 99.31 | 13467.46 | 957.77 | 5036.89 | 2288.1 |
| 22308 | 99.31 | 1797.84 | 75.16 | 836.54 | 291.67 |
| 21838 | 99.31 | 530.29 | 32.3 | 144.89 | 65.27 |
| 15644 | 99.31 | 3282.22 | 154.8 | 1365.06 | 377.51 |
| 402 | 99.28 | 3479.28 | 356.12 | 1200.88 | 402.49 |
| 12371 | 99.21 | 820.55 | 39.84 | 436.85 | 103.6 |
| 20703 | 99.21 | 2097.24 | 218.18 | 445.61 | 475.54 |
| 21568 | 99.18 | 387.2 | 59.93 | 66.66 | 49.26 |
| 16168 | 99.18 | 2842.14 | 391.1 | 843.91 | 334.23 |
| 4731 | 99.18 | 630.63 | 83.09 | 53.16 | 72.49 |
| 6988 | 99.18 | 1859.96 | 133.03 | 418.38 | 358.76 |
| 15189 | 99.15 | 9040.72 | 797.65 | 1642.76 | 1621.76 |
| 5074 | 99.1 | 680.56 | 105.88 | 159.37 | 81.21 |
| 22733 | 99.07 | 131.62 | 29.56 | 26.25 | 19.84 |
| 24251 | 99.07 | 774.57 | 183.14 | 89.9 | 136.32 |
| 19094 | 99.07 | 1509.53 | 97.37 | 671.61 | 213.71 |
| 24693 | 99.05 | 3440.67 | 383.03 | 1339.56 | 405.81 |
| 23448 | 99.02 | 5041.09 | 606.79 | 1080.14 | 841.22 |
| 21097 | 99.02 | 3471.1 | 596.73 | 917.65 | 369.32 |
| 22906 | 99.02 | 3043.86 | 262.05 | 555.72 | 407.05 |
| 12119 | 98.99 | 453.96 | 53.75 | 139.38 | 67.46 |
| 21192 | 98.97 | 244.01 | 37.63 | 54.97 | 44.13 |
| 13619 | 98.97 | 582.87 | 212.66 | 78.86 | 65.87 |
| 16945 | 98.97 | 1142.64 | 44.73 | 719.51 | 140.06 |
| 21098 | 98.97 | 4149.17 | 792.71 | 1142.94 | 519.04 |
| 15577 | 98.94 | 4922.47 | 465.18 | 1894.34 | 655.5 |
| 13772 | 98.94 | 1933.6 | 166.88 | 949.45 | 272.76 |
| 21407 | 98.91 | 167.81 | 19.34 | 50.91 | 27.83 |
| 3427 | 98.89 | 295.17 | 46.28 | 79.31 | 39.52 |
| 22677 | 98.83 | 499.84 | 129.52 | 120.8 | 70.88 |
| 14353 | 98.83 | 108.46 | 5.03 | 37.15 | 21.44 |
| 23606 | 98.83 | 1758.71 | 232.19 | 403.13 | 213.74 |
| 14842 | 98.81 | 297.77 | 31.44 | 121.4 | 53.68 |
| 10359 | 98.81 | 85.15 | 11.31 | 23.57 | 16.94 |
| 6676 | 98.81 | 355.86 | 72.96 | 84.16 | 43.34 |
| 23608 | 98.81 | 1435.68 | 201.61 | 396.94 | 181.58 |
| 13369 | 98.78 | 343.65 | 35.87 | 165.97 | 41.62 |
| 24825 | 98.78 | 2506.93 | 234.79 | 893.47 | 382.59 |
| 23388 | 98.75 | 345.34 | 34.6 | 147.93 | 102 |
| 1391 | 98.75 | 39.18 | 3.43 | 98.01 | 30.27 |

| TABLE 5C: F2-A35AAF | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 13762 | 98.75 | 46.33 | 5.65 | 154.4 | 52.08 |
| 5091 | 98.75 | 74.76 | 6.03 | 271.64 | 116.81 |
| 20705 | 98.75 | 4600 | 601.85 | 1018.01 | 931.47 |
| 2096 | 98.73 | 2945.68 | 151.15 | 1579.06 | 371.09 |
| 8661 | 98.7 | 60.27 | 12.18 | 26.82 | 156.84 |
| 2924 | 98.7 | 979.5 | 29.63 | 573.16 | 160.03 |
| 17847 | 98.7 | 389.19 | 18.95 | 706.23 | 149.21 |
| 7299 | 98.7 | 569.47 | 58.14 | 88.6 | 155.66 |
| 18661 | 98.7 | 240.96 | 20.9 | 552.56 | 138.79 |
| 5953 | 98.7 | 1771.96 | 340.39 | 182.86 | 214.68 |
| 3428 | 98.68 | 316.29 | 49.64 | 91.5 | 54.81 |
| 16739 | 98.65 | 1223.81 | 120.04 | 673.83 | 160.03 |
| 4801 | 98.65 | 138.57 | 11.15 | 258.17 | 56.04 |
| 2559 | 98.65 | 204.94 | 10.74 | 104.41 | 38.17 |
| 19171 | 98.62 | 29.65 | 6.81 | 72.6 | 15.9 |
| 18961 | 98.62 | 170.77 | 47.99 | 485.94 | 123.07 |
| 23449 | 98.62 | 4262.69 | 829.5 | 841.9 | 682.13 |
| 6765 | 98.6 | 51.84 | 15.13 | 173.97 | 64.77 |
| 3429 | 98.6 | 863.81 | 198.42 | 238.2 | 85.75 |
| 9424 | 98.6 | 2788.81 | 418.61 | 1009.35 | 372.41 |
| 4703 | 98.6 | 1936.47 | 392.17 | 419.4 | 227.09 |
| 17844 | 98.57 | 583.08 | 60.85 | 182.1 | 91.47 |
| 3082 | 98.57 | 647.21 | 66.36 | 259.22 | 93.3 |
| 16489 | 98.54 | 372.88 | 21.58 | 197.44 | 108.77 |
| 16169 | 98.54 | 3708.34 | 694.46 | 912.51 | 586.83 |
| 20704 | 98.54 | 4377.39 | 436.37 | 1296.37 | 834.9 |
| 22862 | 98.52 | 155.48 | 19.85 | 455.11 | 165.39 |
| 3430 | 98.49 | 905.4 | 174.49 | 234.71 | 133.32 |
| 3764 | 98.46 | 78.81 | 9.84 | 169.44 | 45.64 |
| 18640 | 98.46 | 73.66 | 8.18 | 159.23 | 38.16 |
| 22948 | 98.46 | 698.06 | 61.97 | 253.14 | 129.78 |
| 1995 | 98.46 | 4450.02 | 191.09 | 1930.89 | 961.9 |
| 18986 | 98.44 | 120.7 | 6.34 | 58.76 | 24.88 |
| 23230 | 98.41 | 129.99 | 15.49 | 301.95 | 104.95 |
| 22840 | 98.41 | 2150.77 | 371.94 | 873.56 | 255.44 |
| 22995 | 98.41 | 108.04 | 24.68 | 770.22 | 484.94 |
| 16112 | 98.38 | 100.66 | 14.65 | 30.7 | 29.19 |
| 15885 | 98.38 | 181.75 | 9.08 | 98.99 | 31.09 |
| 25567 | 98.38 | 800.34 | 158.53 | 143.45 | 137.51 |
| 12306 | 98.36 | 3670.28 | 606.61 | 1139.76 | 514.14 |
| 15191 | 98.36 | 6104.45 | 714.18 | 1208.94 | 1310.23 |
| 11726 | 98.33 | 910.25 | 144.38 | 136.53 | 177.2 |
| 6891 | 98.3 | 257.9 | 22.2 | 544.55 | 219.8 |
| 13222 | 98.3 | 467.46 | 82.02 | 244.45 | 49.58 |
| 23555 | 98.28 | 104.81 | 11.51 | 29.18 | 31.84 |
| 22204 | 98.28 | 381.62 | 78.35 | 105.88 | 93.58 |
| 2905 | 98.28 | 98.4 | 39.13 | 498.34 | 189.96 |
| 13462 | 98.25 | 108.27 | 5.23 | 60.47 | 26.98 |
| 2331 | 98.25 | 2057.48 | 601.45 | 247.98 | 255.46 |
| 19103 | 98.22 | 401.31 | 12.9 | 745.27 | 234.46 |
| 353 | 98.2 | 330 | 73.87 | 59.44 | 123.05 |

| TABLE 5C: F2-A35AAF Attorney Docket 44921-5038-01-WO | | | | | |
|--|-----------|----------|---------|-------------|-----------|
| Timepoint(s): 6 hrs Document No. 1935828.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9254 | 98.07 | 76.91 | 12.28 | 183.99 | 48.15 |
| 355 | 98.04 | 191.66 | 29.67 | 64.68 | 37.89 |
| 8641 | 98.01 | 599.23 | 44.21 | 221.07 | 143.09 |
| 25284 | 97.88 | 106.74 | 33.48 | 36.04 | 36.55 |
| 15190 | 97.88 | 8422.33 | 1226.76 | 1823.47 | 1684.19 |
| 24204 | 97.75 | 147.09 | 19.64 | 71.88 | 19.82 |
| 354 | 97.59 | 377.35 | 126.64 | 81.44 | 151.82 |
| 15462 | 97.59 | 365.31 | 12.52 | 545.84 | 120.22 |
| 11611 | 97.54 | 85.4 | 3.78 | 151.89 | 45.52 |
| 1920 | 97.54 | 1321.53 | 174.27 | 439.98 | 267.69 |
| 21707 | 97.54 | 330.22 | 116.74 | 40.53 | 50.49 |
| 15642 | 97.48 | 789.63 | 109.72 | 375.46 | 159.27 |
| 351 | 97.46 | 123.9 | 50.73 | 21.95 | 52.72 |
| 21063 | 97.43 | 108.69 | 12.97 | 45.97 | 23.01 |
| 24284 | 97.43 | 89.1 | 22.22 | 30.54 | 16.02 |
| 16167 | 97.35 | 56.24 | 14.28 | 20.57 | 10.19 |
| 20826 | 97.35 | 95.36 | 11.37 | 220.81 | 69.9 |
| 15755 | 97.32 | 400.8 | 35.16 | 741.3 | 180.52 |
| 16450 | 97.32 | 127.65 | 5.05 | 249.03 | 92.1 |
| 14956 | 97.24 | 156.58 | 22.76 | 67.47 | 29.39 |
| 20744 | 97.22 | 1465.02 | 266.9 | 345.62 | 298.71 |
| 23321 | 97.11 | 154.57 | 8.99 | 238.22 | 65.16 |
| 2480 | 97.01 | 132.09 | 6.03 | 235.55 | 74.18 |
| 19085 | 96.98 | 199.82 | 21.43 | 86.52 | 46.2 |
| 1876 | 96.95 | 477.08 | 19.96 | 774.36 | 202.87 |
| 10544 | 96.93 | 303.76 | 19.68 | 179.51 | 71.34 |
| 1521 | 96.93 | 396.47 | 85.1 | 151.07 | 75.31 |
| 24161 | 96.93 | 256.17 | 14.6 | 460.56 | 124.42 |
| 17448 | 96.9 | 94.48 | 3.93 | 54.09 | 36.86 |
| 2727 | 96.79 | 34.54 | 4.68 | 89.98 | 57.66 |
| 64 | 96.66 | 54.97 | 9.05 | 134.71 | 44.08 |
| 17108 | 96.56 | 83.1 | 10.81 | 156.26 | 38.92 |
| 16362 | 96.56 | 29.38 | 5.67 | 68.14 | 21.64 |
| 1602 | 96.56 | 266.42 | 25.42 | 467.04 | 109.06 |
| 20750 | 96.53 | 104.81 | 5.33 | 165.33 | 49.28 |
| 17807 | 96.53 | 3744.42 | 281.96 | 2043.09 | 724.62 |
| 1607 | 96.53 | 21.01 | 6.24 | 57.63 | 21.56 |
| 18897 | 96.53 | 44.4 | 11.48 | 122.52 | 46.47 |
| 19086 | 96.53 | 295.45 | 38.01 | 121.95 | 69.5 |
| 15996 | 96.5 | 154.51 | 10.49 | 108.43 | 137.77 |
| 10545 | 96.48 | 401.96 | 37.45 | 217.75 | 88.4 |
| 17083 | 96.37 | 20.27 | 9.78 | 73.45 | 28.57 |
| 1337 | 96.37 | 65.45 | 3.94 | 118.09 | 33.49 |
| 19472 | 96.32 | 897.02 | 68 | 581.9 | 129.53 |
| 24778 | 96.29 | 928.18 | 500.92 | 109.71 | 256.24 |
| 17653 | 96.24 | 113.09 | 7.92 | 61.18 | 28.86 |
| 24779 | 96.21 | 2006.24 | 1054.73 | 217.61 | 424.3 |
| 5616 | 96.21 | 2061.18 | 139.61 | 1253.28 | 378.26 |
| 17344 | 96.21 | 151.89 | 11.96 | 83.46 | 31.1 |
| 734 | 96.18 | 57.15 | 3.78 | 30.41 | 15.51 |
| 2192 | 96.13 | 86.01 | 12.91 | 39 | 20.84 |

| TABLE 5D: AGYCLOVIR | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19900 | 90.08 | 136.38 | 14.08 | 98.21 | 28.18 |
| 25513 | 90.08 | 731.9 | 39.49 | 575.78 | 213.73 |
| 16165 | 90.05 | 45.74 | 6.02 | 29.35 | 11.29 |
| 10098 | 90.05 | 41.51 | 5.18 | 68.56 | 21.67 |
| 21051 | 90 | 84.29 | 10.88 | 169.02 | 87.64 |
| 20615 | 89.97 | 41.16 | 9.96 | 84.15 | 29.66 |
| 17535 | 89.95 | 92.08 | 9.61 | 151.64 | 51.7 |
| 25060 | 89.95 | 64.18 | 7.94 | 30.95 | 26 |
| 15791 | 89.92 | 158.14 | 27.64 | 101.53 | 78.26 |
| 7226 | 89.87 | 25.49 | 7.91 | 66.44 | 31.22 |
| 699 | 89.86 | 1045.91 | 208.34 | 610.13 | 156.14 |
| 12423 | 89.81 | 103.4 | 15.44 | 168.78 | 72.48 |
| 5666 | 89.73 | 55.55 | 15.61 | 97.65 | 30.58 |
| 25350 | 89.71 | 42.92 | 5.54 | 28.71 | 14.66 |
| 25930 | 89.71 | 34.55 | 5.77 | 22.05 | 10.16 |
| 1731 | 89.68 | 53.64 | 5.68 | 83.97 | 30.8 |

| TABLE 5C: F2-A35AAF | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20902 | 96.08 | 54.98 | 6.13 | 108.3 | 36.68 |
| 18713 | 96.05 | 575.2 | 47.7 | 332.73 | 111.84 |
| 15558 | 96.03 | 533.62 | 64.05 | 309.56 | 116.77 |
| 12996 | 96 | 153.56 | 22.85 | 316.24 | 136.38 |
| 14957 | 95.84 | 237.18 | 39.21 | 126.07 | 46.49 |
| 357 | 95.84 | 153.81 | 26.35 | 74.2 | 34.31 |
| 19018 | 95.81 | 176.71 | 22.9 | 356.97 | 119.04 |
| 2435 | 95.81 | 242.07 | 6.34 | 189.05 | 46.62 |
| 20745 | 95.81 | 236.14 | 4.13 | 308.75 | 84.22 |
| 23949 | 95.76 | 57.07 | 2.28 | 40.34 | 13.2 |
| 17123 | 95.73 | 162.76 | 7.62 | 108.56 | 36.69 |
| 23491 | 95.73 | 48.95 | 12.12 | 140.25 | 66.72 |
| 12485 | 95.73 | 95.61 | 14.66 | 39.24 | 23.66 |
| 9952 | 95.6 | 302.46 | 19.52 | 194.72 | 53.2 |
| 20597 | 95.6 | 3322.9 | 273.36 | 1846.93 | 665.77 |
| 24577 | 95.57 | 1467.77 | 128.16 | 908.77 | 231.99 |

| TABLE 5D: ACYCLOVIR | | Attorney Docket 44921-5088-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24437 | 98.65 | 132.94 | 10.16 | 61.21 | 30.08 |
| 1850 | 98.54 | 7439.53 | 1200.53 | 2452.29 | 1064.48 |
| 15319 | 98.3 | 165.75 | 16.82 | 41.86 | 48.28 |
| 5573 | 98.28 | 11707.8 | 1460.75 | 4907.84 | 1872.31 |
| 7782 | 98.22 | 382.92 | 78.96 | 166.8 | 50.15 |
| 12577 | 98.17 | 1083.97 | 450.64 | 155.27 | 133.19 |
| 2433 | 97.43 | 43.41 | 9.66 | 113.7 | 41.33 |
| 953 | 97.35 | 143.65 | 18.27 | 43.42 | 50.89 |
| 1371 | 96.98 | 170.11 | 35.96 | 43.11 | 41.08 |
| 23936 | 96.92 | 418.52 | 172.39 | 127.64 | 96.78 |
| 4949 | 96.9 | 528.82 | 103.32 | 192.71 | 146.19 |
| 17253 | 96.71 | 679.98 | 125.29 | 227.91 | 162.63 |
| 24091 | 96.63 | 117.99 | 15.66 | 56.4 | 31.29 |
| 1818 | 96.63 | 4292.78 | 562.45 | 2102.97 | 821.16 |
| 7775 | 96.6 | 249.84 | 9.28 | 148.42 | 66.17 |
| 11024 | 96.45 | 314.88 | 46.78 | 123.23 | 76.26 |
| 20866 | 96.37 | 492.96 | 33.89 | 717.18 | 125.25 |
| 19560 | 96.37 | 617.4 | 63.01 | 350.56 | 115.93 |
| 21681 | 96.26 | 79.56 | 4.86 | 45.58 | 23.88 |
| 12989 | 96.18 | 738.95 | 161.44 | 411.91 | 128.46 |
| 16610 | 96.1 | 38.23 | 13.28 | 148.31 | 75.56 |
| 25938 | 96.1 | 58.95 | 19.4 | 22.7 | 13.38 |
| 19392 | 96.1 | 2263.49 | 176.11 | 1455.38 | 352.59 |
| 6792 | 96.05 | 137.97 | 25.43 | 34.15 | 59.56 |
| 12318 | 96.05 | 238.89 | 31.77 | 92.91 | 67.84 |
| 16322 | 95.94 | 111.22 | 18.8 | 56.97 | 45.39 |
| 18855 | 95.94 | 296.36 | 33.32 | 172.39 | 52.35 |
| 12413 | 95.89 | 124.67 | 10.46 | 63.11 | 26.89 |
| 9469 | 95.65 | 108.95 | 25.78 | 38.06 | 35.95 |
| 15141 | 95.52 | 82.66 | 5.39 | 146.24 | 47.97 |
| 26120 | 95.41 | 106.92 | 17.97 | 41.94 | 37.42 |
| 11467 | 95.41 | 276.6 | 29.69 | 157.5 | 62.29 |
| 24654 | 95.41 | 127.95 | 23.96 | 59.42 | 29.7 |
| 24165 | 95.31 | 132.96 | 21.54 | 51.41 | 38.15 |
| 25371 | 95.2 | 108.54 | 16.35 | 55.24 | 42.88 |
| 19617 | 95.15 | 122.8 | 17.48 | 66.69 | 37.26 |
| 10748 | 95.12 | 164.96 | 19.69 | 78.89 | 41.91 |
| 12379 | 94.93 | 116.99 | 41.46 | 29.45 | 38.72 |
| 5419 | 94.93 | 591.37 | 45.5 | 367.69 | 109.85 |
| 1620 | 94.75 | 193.74 | 14.11 | 127.65 | 54.84 |
| 9349 | 94.75 | 227.24 | 39.09 | 461.67 | 137.68 |
| 7402 | 94.72 | 600.6 | 136.76 | 277.76 | 152.71 |
| 21822 | 94.69 | 220.83 | 22.24 | 347.87 | 82.87 |
| 15443 | 94.64 | 507.29 | 66.07 | 329.15 | 93.55 |
| 17315 | 94.62 | 73.84 | 8.68 | 147.6 | 47.73 |
| 4782 | 94.59 | 465.9 | 98.75 | 206.06 | 109.04 |
| 8232 | 94.56 | 71.2 | 21.75 | 27.57 | 21.24 |
| 25679 | 94.46 | 1272.17 | 80.2 | 883.83 | 245.87 |
| 21204 | 94.46 | 25.69 | 6.21 | 63.31 | 25.05 |
| 18477 | 94.43 | 491.48 | 69.01 | 234.52 | 139 |
| 43 | 94.4 | 237.7 | 37.16 | 435.9 | 131.45 |

| TABLE 5D: AGYCLOVIR | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 11875 | 94.4 | 156.7 | 16.39 | 86.33 | 41.99 |
| 1572 | 94.32 | 130.07 | 16.87 | 73.12 | 32.48 |
| 6532 | 94.22 | 195.2 | 15.83 | 140.89 | 43.86 |
| 18705 | 94.22 | 163.21 | 24.57 | 100.36 | 38.41 |
| 25446 | 94.19 | 88.29 | 10.78 | 52.3 | 30.43 |
| 23360 | 94.16 | 111.38 | 15.42 | 199.65 | 47.65 |
| 18880 | 94.11 | 46.57 | 7.89 | 24.92 | 12.35 |
| 7574 | 94.06 | 114.8 | 19.79 | 50.3 | 37.43 |
| 16635 | 94.01 | 921.58 | 28.98 | 716.64 | 167.12 |
| 3882 | 93.98 | 1119.14 | 114.67 | 740.08 | 259.65 |
| 11097 | 93.98 | 193.12 | 23.75 | 115.43 | 69.24 |
| 25091 | 93.98 | 149.03 | 22.2 | 80.25 | 36.98 |
| 23573 | 93.95 | 174.19 | 28.54 | 294.78 | 73.15 |
| 25431 | 93.95 | 41.13 | 5.35 | 22.01 | 17.88 |
| 4017 | 93.95 | 28.18 | 4.84 | 76.12 | 29.66 |
| 9795 | 93.9 | 82.86 | 8.09 | 35.07 | 27.61 |
| 24392 | 93.87 | 166.01 | 26.05 | 100.78 | 41.69 |
| 1241 | 93.79 | 74.64 | 7.58 | 46.75 | 21.79 |
| 23325 | 93.77 | 111.13 | 31.41 | 238.81 | 74.06 |
| 2940 | 93.77 | 396.39 | 68.1 | 242.4 | 68.72 |
| 15275 | 93.74 | 370.25 | 30.08 | 549.29 | 127.48 |
| 24140 | 93.71 | 653.58 | 88 | 340.86 | 180.28 |
| 21171 | 93.71 | 486.02 | 61.91 | 288.08 | 146.91 |
| 22179 | 93.71 | 152.3 | 17.79 | 92.19 | 37.32 |
| 3013 | 93.63 | 231.72 | 19.6 | 322.78 | 56.93 |
| 23919 | 93.61 | 353.83 | 32.11 | 509.75 | 98.59 |
| 6397 | 93.61 | 402.11 | 55.28 | 240.53 | 86.25 |
| 21713 | 93.53 | 239.64 | 40.05 | 126.93 | 69.6 |
| 17625 | 93.45 | 89.85 | 18.1 | 33.84 | 37.55 |
| 21254 | 93.42 | 108.66 | 7.07 | 159.88 | 39.48 |
| 4997 | 93.42 | 112.43 | 16.52 | 65.04 | 31.6 |
| 25058 | 93.4 | 129.64 | 14.9 | 78.89 | 42.23 |
| 23492 | 93.24 | 558.38 | 60.81 | 315.42 | 167 |
| 26330 | 93.24 | 206.25 | 33.8 | 56.05 | 99.49 |
| 23178 | 93.21 | 62.88 | 19.62 | 119.13 | 28.73 |
| 11006 | 93.21 | 96.53 | 23.11 | 37.78 | 32.23 |
| 21010 | 93.18 | 927.95 | 80.61 | 675.82 | 297.52 |
| 4438 | 93.18 | 69.83 | 14.3 | 38.19 | 21 |
| 23332 | 93.18 | 49.84 | 8.13 | 29.87 | 10.4 |
| 26222 | 93.13 | 712.69 | 171.32 | 377.49 | 180.12 |
| 6267 | 93.05 | 219.4 | 21.37 | 136.82 | 51.96 |
| 23792 | 93.05 | 474.69 | 76.88 | 303.57 | 104.6 |
| 1095 | 93 | 515.53 | 120.95 | 202.63 | 245.36 |
| 954 | 93 | 70.24 | 14.23 | 41.38 | 19.02 |
| 26116 | 92.97 | 805.04 | 137.76 | 357.48 | 307.06 |
| 5890 | 92.97 | 341.08 | 31.14 | 216.05 | 96.95 |
| 24545 | 92.94 | 56.24 | 6.42 | 33.16 | 15.85 |
| 22543 | 92.89 | 1472.79 | 110.24 | 988.12 | 324.41 |
| 18356 | 92.89 | 115.28 | 19.72 | 60.25 | 32.14 |
| 18159 | 92.84 | 165.12 | 62.8 | 76.18 | 74.36 |
| 24757 | 92.79 | 110.9 | 12.56 | 77.65 | 31.84 |

| TABLE 5D: ACYCLOVIR | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1828 | 92.73 | 137.56 | 23.02 | 81.27 | 29.4 |
| 18820 | 92.63 | 195.83 | 32.2 | 121.96 | 45.66 |
| 25855 | 92.63 | 156.64 | 16.02 | 97.97 | 38.61 |
| 4592 | 92.49 | 97.2 | 6.35 | 153.32 | 53.12 |
| 1962 | 92.39 | 180.33 | 20.16 | 327.42 | 137.32 |
| 8983 | 92.25 | 376.05 | 45.59 | 267.94 | 71.18 |
| 22978 | 92.18 | 58.26 | 12.4 | 119.57 | 42.17 |
| 17437 | 92.15 | 39.53 | 6.33 | 21.1 | 14.1 |
| 1205 | 92.12 | 80.17 | 13.11 | 49.9 | 28.86 |
| 18957 | 92.1 | 204.12 | 25.54 | 371.78 | 149.6 |
| 1577 | 91.91 | 81.48 | 15.48 | 40.08 | 25.87 |
| 20266 | 91.78 | 213.58 | 36.53 | 135.98 | 68.9 |
| 20859 | 91.75 | 68.89 | 9.07 | 41.95 | 20.52 |
| 24825 | 91.75 | 1477.2 | 213.31 | 895.58 | 390.05 |
| 537 | 91.62 | 2992.94 | 223.6 | 1997.2 | 610.38 |
| 25216 | 91.49 | 80.38 | 8.02 | 52.52 | 36.06 |
| 239 | 91.41 | 106.57 | 7.06 | 160.5 | 44.26 |
| 16104 | 91.38 | 73.23 | 5.38 | 52.41 | 16.39 |
| 20971 | 91.17 | 37.12 | 6.04 | 61.51 | 17.79 |
| 25270 | 91.14 | 40.53 | 7.92 | 22.96 | 11.62 |
| 23550 | 91.11 | 53.12 | 5.97 | 36.27 | 14.76 |
| 18269 | 91.09 | 229.04 | 30.64 | 161.26 | 56.44 |
| 23826 | 91.06 | 205.39 | 25.77 | 145.07 | 57.76 |
| 20879 | 91.06 | 237.75 | 99.55 | 624.44 | 271.14 |
| 1854 | 91 | 5989.94 | 1067.84 | 1960.62 | 928.56 |
| 24414 | 90.98 | 214.81 | 28.42 | 145.16 | 45.21 |
| 1161 | 90.8 | 158.12 | 8.83 | 118.86 | 40.83 |
| 17393 | 90.8 | 64.9 | 10.38 | 141.33 | 82.12 |
| 20313 | 90.8 | 33.99 | 2.55 | 23.71 | 11.79 |
| 20616 | 90.8 | 20.76 | 11.02 | 47.06 | 15.49 |
| 25565 | 90.77 | 35.24 | 8.43 | 21.65 | 11.21 |
| 21863 | 90.72 | 93.95 | 19.57 | 55.69 | 44.2 |
| 20863 | 90.69 | 133.68 | 20.51 | 88.73 | 44.09 |
| 20529 | 90.66 | 408.02 | 110.56 | 131.01 | 191.19 |
| 110 | 90.66 | 503.37 | 54.07 | 731.9 | 345.78 |
| 13575 | 90.56 | 46.55 | 13.28 | 113.49 | 48.34 |
| 4474 | 90.53 | 23.57 | 6.47 | 60.76 | 28.91 |
| 21957 | 90.5 | 154.67 | 5.28 | 172.91 | 52.77 |
| 22858 | 90.5 | 87.81 | 13.46 | 144.83 | 43.48 |
| 2947 | 90.45 | 23.96 | 2.43 | 41.7 | 17.39 |
| 20959 | 90.42 | 77.19 | 14.15 | 138.95 | 45.32 |
| 20373 | 90.34 | 121.97 | 12.49 | 88.11 | 32.59 |
| 21103 | 90.32 | 92.02 | 16 | 175.68 | 69.78 |
| 7176 | 90.32 | 85.81 | 17.55 | 56.97 | 38.24 |
| 3431 | 90.21 | 1348.86 | 106.14 | 1043.55 | 313.38 |
| 11137 | 90.19 | 230.57 | 28.06 | 415.06 | 158.7 |
| 1201 | 90.11 | 94.59 | 23.98 | 48.92 | 39.31 |
| 412 | 90.1 | 4054.73 | 1526.53 | 1634.46 | 811.9 |
| 20960 | 90.08 | 272.02 | 29.9 | 396.72 | 94.07 |
| 5747 | 90.08 | 53.68 | 23.71 | 125.82 | 48.71 |
| 5749 | 90.08 | 112.79 | 13.77 | 197.79 | 85.51 |

| TABLE 5E: ACYCLOVIR | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2515 | 99.87 | 1144.07 | 3.21 | 616.7 | 182.21 |
| 4066 | 99.71 | 702.5 | 14.72 | 318.68 | 120.63 |
| 14425 | 99.66 | 4152.48 | 152.25 | 450.36 | 417.41 |
| 5616 | 99.58 | 2570.17 | 93.46 | 1253.32 | 376.74 |
| 22745 | 99.55 | 44.15 | 3.01 | 197.66 | 77.65 |
| 13332 | 99.52 | 55.25 | 2.55 | 229.32 | 83.77 |
| 11504 | 99.52 | 292.31 | 5.53 | 705.57 | 225.34 |
| 26133 | 99.5 | 1021.29 | 157.7 | 191.44 | 215.62 |
| 15190 | 99.5 | 8433.47 | 273.66 | 1830.44 | 1697.78 |
| 19057 | 99.47 | 167.29 | 8.72 | 41.63 | 38.95 |
| 11904 | 99.47 | 262.29 | 24.12 | 60.27 | 43.1 |
| 5110 | 99.44 | 653.88 | 12.01 | 322.98 | 112.71 |
| 14138 | 99.39 | 22.3 | 0.54 | 52.46 | 17.56 |
| 19011 | 99.39 | 635.67 | 15.89 | 288.81 | 88.81 |
| 18441 | 99.36 | 94.63 | 1.96 | 45.51 | 36.15 |
| 17253 | 99.36 | 836.31 | 55.1 | 228.62 | 163.12 |
| 8522 | 99.36 | 438.83 | 27.58 | 150.16 | 76.94 |
| 14459 | 99.34 | 12045.8 | 1339.3 | 4350.03 | 1989.67 |
| 23424 | 99.34 | 2446.66 | 191.34 | 1172.02 | 288.12 |
| 6957 | 99.34 | 83.56 | 0.4 | 51.2 | 39.64 |
| 2010 | 99.31 | 8060.59 | 657.65 | 2676.99 | 1244.35 |
| 14676 | 99.31 | 189.06 | 6.42 | 88.64 | 38.32 |
| 21933 | 99.26 | 10857.25 | 530.93 | 4996.18 | 1771.86 |
| 19411 | 99.26 | 120.91 | 6.21 | 33.85 | 21.7 |
| 1850 | 99.26 | 8072.18 | 746.51 | 2461.85 | 1084.73 |
| 3292 | 99.26 | 9836.38 | 699.32 | 2553.89 | 1359.56 |
| 13598 | 99.21 | 207.19 | 10.82 | 462.12 | 134.04 |
| 13361 | 99.15 | 329.36 | 24.47 | 183.07 | 38.88 |
| 22866 | 99.13 | 722.84 | 41.25 | 336.65 | 98.55 |
| 1854 | 99.13 | 7030.9 | 853.85 | 1967.49 | 939.44 |
| 17340 | 99.13 | 4083.25 | 378.34 | 1199.38 | 587.15 |
| 6057 | 99.1 | 472.75 | 101.92 | 111.99 | 139.7 |
| 4833 | 99.07 | 78.51 | 7.56 | 23.2 | 24.26 |
| 14324 | 99.07 | 190.27 | 43.09 | 23.97 | 29.31 |
| 7122 | 99.02 | 1044.44 | 129.84 | 404.68 | 103.95 |
| 21353 | 99.02 | 590.95 | 16.35 | 1384.78 | 367.59 |
| 21975 | 98.99 | 557.38 | 36.86 | 267.94 | 81.26 |
| 9795 | 98.99 | 123.87 | 9.97 | 35.11 | 27.51 |
| 15961 | 98.99 | 181.02 | 11.53 | 48.89 | 44.68 |
| 23387 | 98.99 | 207.06 | 30.37 | 33.25 | 48.56 |
| 11269 | 98.94 | 27.31 | 8.89 | 136.12 | 54.87 |
| 4892 | 98.91 | 517.45 | 66.01 | 141.54 | 300.27 |
| 10988 | 98.91 | 103.04 | 8.31 | 25.66 | 47.81 |
| 1818 | 98.91 | 4538.23 | 294.03 | 2107.22 | 825.91 |
| 1114 | 98.91 | 1557.24 | 210.93 | 565.57 | 203.41 |
| 25052 | 98.89 | 191.81 | 53.51 | 33.71 | 140.25 |
| 19769 | 98.89 | 1924.5 | 204.43 | 755.08 | 257.12 |
| 20698 | 98.86 | 3758.5 | 477.45 | 895.05 | 433.8 |
| 1053 | 98.84 | 163.4 | 1.19 | 131.89 | 45.21 |
| 18477 | 98.84 | 409.66 | 7.27 | 235.19 | 139.61 |
| 5579 | 98.84 | 389.13 | 64.82 | 137.55 | 47.31 |

| TABLE 5E: ACYCLOVIR | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935323.1 | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21740 | 98.84 | 2272.65 | 286.88 | 736.34 | 295.24 |
| 4904 | 98.81 | 1015.24 | 22.26 | 575.81 | 199.2 |
| 25290 | 98.81 | 224.01 | 20.84 | 50.46 | 74.59 |
| 21242 | 98.78 | 181.55 | 6.32 | 389.85 | 129.26 |
| 4274 | 98.76 | 571.79 | 62.71 | 267.12 | 80.09 |
| 13480 | 98.76 | 342.7 | 21.43 | 728.43 | 183.37 |
| 412 | 98.73 | 3290.22 | 187.08 | 1640.8 | 826.12 |
| 26368 | 98.73 | 115.98 | 0.54 | 160.52 | 113.24 |
| 402 | 98.73 | 2683.6 | 204.1 | 1204.56 | 415.08 |
| 9669 | 98.7 | 83.77 | 2.19 | 48.68 | 22.92 |
| 15094 | 98.7 | 224.06 | 23.05 | 88.9 | 37.46 |
| 9527 | 98.7 | 78.99 | 3.4 | 236.15 | 129.31 |
| 19064 | 98.7 | 284.38 | 16.82 | 159.62 | 44.27 |
| 3268 | 98.7 | 310.57 | 12.76 | 158.54 | 48.48 |
| 20524 | 98.68 | 224.04 | 58.85 | 23.35 | 47.45 |
| 10695 | 98.65 | 558.14 | 65.92 | 253 | 154.76 |
| 2304 | 98.65 | 404.56 | 15.67 | 221.82 | 85.74 |
| 24374 | 98.65 | 481.1 | 98.37 | 122.3 | 75.36 |
| 21310 | 98.62 | 293.66 | 20.94 | 118.39 | 79.64 |
| 15189 | 98.62 | 9903.79 | 1520.73 | 1649.22 | 1631.77 |
| 4199 | 98.6 | 1568.46 | 103.75 | 891.14 | 203.93 |
| 8053 | 98.6 | 127.84 | 0.53 | 173.34 | 101.01 |
| 17039 | 98.6 | 73.85 | 0.55 | 108.8 | 32.11 |
| 21564 | 98.57 | 161.83 | 1.88 | 241.1 | 44.62 |
| 20701 | 98.57 | 2765.01 | 300.14 | 880.19 | 387.19 |
| 18581 | 98.54 | 1060.08 | 64.13 | 583.75 | 157.39 |
| 17950 | 98.54 | 268.48 | 37.07 | 107.03 | 40.18 |
| 21446 | 98.54 | 85.24 | 0.44 | 103.22 | 34.05 |
| 6547 | 98.54 | 768.52 | 78.09 | 253.04 | 199.16 |
| 20354 | 98.54 | 437.67 | 64.63 | 51.75 | 57.48 |
| 20699 | 98.52 | 4872.96 | 438.32 | 2130.27 | 820.77 |
| 3467 | 98.52 | 42.97 | 3.79 | 126.09 | 53.01 |
| 12142 | 98.52 | 1579.83 | 43.54 | 910.2 | 278.22 |
| 4026 | 98.52 | 914.06 | 118.53 | 373.41 | 130.85 |
| 24200 | 98.52 | 1653.04 | 218.48 | 438.39 | 248.23 |
| 1159 | 98.49 | 87.49 | 16.35 | 275.08 | 107.4 |
| 13305 | 98.49 | 63.56 | 13.97 | 268.13 | 99.69 |
| 7451 | 98.49 | 2799.51 | 426.88 | 1138.17 | 304.14 |
| 21917 | 98.49 | 479.47 | 138.76 | 74.58 | 63.83 |
| 7318 | 98.49 | 27.05 | 0.27 | 26.03 | 44.21 |
| 3773 | 98.49 | 344.19 | 42.84 | 67.6 | 60.3 |
| 15191 | 98.46 | 7522.56 | 1192.86 | 1211.88 | 1309.42 |
| 19052 | 98.46 | 674.46 | 97.73 | 266.82 | 79.31 |
| 7736 | 98.44 | 30.14 | 4.35 | 99.18 | 38.67 |
| 18687 | 98.44 | 445.98 | 3.15 | 662.38 | 590.11 |
| 24211 | 98.41 | 122.68 | 5.08 | 277.05 | 108.57 |
| 169 | 98.41 | 237.82 | 32.93 | 84.07 | 35.94 |
| 10944 | 98.41 | 64.49 | 1.97 | 29.83 | 30.56 |
| 6056 | 98.41 | 51.55 | 0.98 | 22.01 | 53.36 |
| 15151 | 98.39 | 34 | 2.9 | 67.72 | 18.49 |
| 3131 | 98.33 | 323.3 | 4.01 | 436.11 | 155.15 |

| TABLE 5E: AGYCLOVIR | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5622 | 98.31 | 2803.59 | 276.46 | 1593.53 | 374.33 |
| 20313 | 98.28 | 43.64 | 1.34 | 23.71 | 11.76 |
| 22515 | 98.28 | 781.48 | 262.01 | 128.68 | 396.37 |
| 1809 | 98.28 | 310.57 | 124.78 | 135.11 | 741.7 |
| 9369 | 98.28 | 454.59 | 24.36 | 205.98 | 92.12 |
| 22513 | 98.25 | 2024.79 | 1015.66 | 35.39 | 788.1 |
| 18795 | 98.23 | 1052.33 | 44.11 | 541.08 | 204.55 |
| 25317 | 98.2 | 3169.06 | 371.09 | 1382.21 | 465.22 |
| 23368 | 98.2 | 20.29 | 2.72 | 76.21 | 35.32 |
| 20088 | 98.2 | 86.53 | 4.33 | 167.12 | 48.51 |
| 20090 | 98.2 | 325.25 | 97.77 | 109.24 | 41.45 |
| 1561 | 98.09 | 1597.16 | 175.74 | 871.83 | 221.15 |
| 15378 | 98.07 | 25.66 | 13.82 | 119.02 | 37.81 |
| 18597 | 97.99 | 452.82 | 3.45 | 605.52 | 200.99 |
| 1354 | 97.96 | 61.13 | 5.66 | 262.53 | 221.68 |
| 16564 | 97.96 | 512.39 | 78.58 | 215.32 | 84.22 |
| 14139 | 97.94 | 21.62 | 1.48 | 52.8 | 18.28 |
| 17589 | 97.94 | 154.28 | 25.6 | 33.41 | 33.9 |
| 23561 | 97.94 | 143.78 | 4.87 | 82.16 | 29.25 |
| 20529 | 97.88 | 636.99 | 164.61 | 131.24 | 190.69 |
| 1221 | 97.72 | 421.99 | 139.65 | 32.51 | 122.03 |
| 24860 | 97.72 | 291.72 | 3.23 | 390.7 | 272.94 |
| 1844 | 97.72 | 314.48 | 62.82 | 114.83 | 63.86 |
| 16562 | 97.7 | 502.07 | 109.41 | 205.9 | 72.48 |
| 16132 | 97.67 | 6910.51 | 137.1 | 3399.35 | 2221.37 |
| 21663 | 97.64 | 163.18 | 37.08 | 467.03 | 159.4 |
| 6477 | 97.64 | 4953.15 | 635.28 | 2260.24 | 859.45 |
| 20168 | 97.59 | 262.41 | 109.62 | 53.14 | 74.98 |
| 15134 | 97.54 | 398.07 | 26.44 | 736.12 | 183.35 |
| 19703 | 97.49 | 36.01 | 12.17 | 111.4 | 38.69 |
| 16080 | 97.49 | 218.9 | 76.7 | 71.37 | 143.14 |
| 25520 | 97.49 | 131.85 | 2.21 | 100.64 | 40.44 |
| 20700 | 97.46 | 7780.24 | 1061.32 | 2936.46 | 1587.23 |
| 13164 | 97.43 | 9474.57 | 689.84 | 3784.84 | 2461.92 |
| 9905 | 97.43 | 405.22 | 24.17 | 647.49 | 151.36 |
| 23491 | 97.41 | 48.52 | 7.81 | 140.16 | 66.75 |
| 1798 | 97.38 | 5998.85 | 389.31 | 2791.58 | 1330.94 |
| 17709 | 97.38 | 139.77 | 20.06 | 37.95 | 42.38 |
| 25797 | 97.38 | 61.12 | 6.48 | 28.61 | 21.9 |
| 15703 | 97.33 | 257.65 | 15.7 | 133.5 | 50.58 |
| 24228 | 97.3 | 1472.31 | 59.23 | 978.47 | 263.43 |
| 21980 | 97.27 | 1042.81 | 153.04 | 505.29 | 161.45 |
| 25567 | 97.17 | 173.36 | 4.43 | 145.14 | 141.7 |
| 699 | 97.17 | 1043.85 | 148.55 | 611.05 | 157.63 |
| 6478 | 97.14 | 8793.2 | 1557.95 | 3227.07 | 1789.85 |
| 730 | 97.11 | 25.99 | 0.68 | 46.47 | 36.75 |
| 4397 | 97.09 | 61.13 | 3.3 | 33.02 | 17.06 |
| 17468 | 97.06 | 380.46 | 12.17 | 562.15 | 116.39 |
| 18644 | 97.04 | 3730.28 | 140.75 | 2174.68 | 809.71 |
| 16305 | 96.93 | 549.44 | 65.09 | 1145.99 | 358.8 |
| 1521 | 96.9 | 396.76 | 84.68 | 151.33 | 75.74 |

| TABLE 5E: AGYCLOVIR | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5545 | 96.9 | 2504.37 | 135.61 | 1488.19 | 573.11 |
| 25747 | 96.9 | 721.3 | 98.79 | 425.68 | 233.76 |
| 17590 | 96.85 | 248.74 | 79.09 | 106.14 | 46.42 |
| 1583 | 96.77 | 52.3 | 5.92 | 28.62 | 14.14 |
| 17563 | 96.72 | 2590.83 | 193.84 | 1607.6 | 436.46 |
| 12848 | 96.69 | 86.03 | 9.48 | 194.04 | 65.28 |
| 9240 | 96.56 | 227.42 | 7.18 | 338.5 | 82.66 |
| 25041 | 96.53 | 45.23 | 1.14 | 101.87 | 66.17 |
| 20778 | 96.53 | 38.89 | 4.82 | 74.1 | 18.65 |
| 15613 | 96.53 | 482.03 | 28.45 | 1181.46 | 811.46 |
| 12312 | 96.53 | 350.33 | 106.28 | 973.18 | 267.1 |
| 17157 | 96.53 | 53.77 | 8.13 | 23.37 | 16.88 |
| 23949 | 96.53 | 75.43 | 9.76 | 40.33 | 13.15 |
| 21707 | 96.51 | 183.37 | 73.24 | 41.07 | 52.53 |
| 548 | 96.51 | 53.6 | 25.79 | 399.37 | 223.1 |
| 16081 | 96.51 | 318.63 | 127.02 | 128.29 | 197.9 |

| TABLE 5F: 2-AAF | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 10611 | 99.47 | 363.63 | 98.16 | 23.36 | 34.41 |
| 17541 | 99.28 | 5057.19 | 615.94 | 1614.18 | 595.31 |
| 17097 | 98.73 | 213.97 | 24.02 | 66.58 | 45.79 |
| 7324 | 98.41 | 524.02 | 190.61 | 91.83 | 80.77 |
| 25705 | 98.41 | 1888.73 | 455.8 | 737.95 | 180.35 |
| 18445 | 98.38 | 612.92 | 368.87 | 186.97 | 63.66 |
| 21275 | 98.11 | 589.96 | 154.23 | 204.39 | 89.27 |
| 20755 | 98.04 | 376.4 | 218.11 | 54.36 | 58.29 |
| 20757 | 97.98 | 940.29 | 301.2 | 271.71 | 121.46 |
| 17474 | 97.85 | 501.14 | 128.44 | 197.27 | 54.31 |
| 8638 | 97.61 | 381.87 | 111.31 | 204.32 | 43.63 |
| 20915 | 97.5 | 1993.24 | 509.86 | 528.47 | 351.25 |
| 6344 | 97.42 | 105.03 | 33.93 | 39.25 | 21.1 |
| 17239 | 97 | 765.95 | 119.46 | 447.2 | 100.85 |
| 18726 | 97 | 152.74 | 19.37 | 363.54 | 114.88 |
| 11324 | 96.79 | 142.32 | 27.99 | 320.89 | 95.7 |
| 22677 | 96.76 | 271.76 | 111.37 | 121.08 | 72.74 |
| 18989 | 96.68 | 3106.24 | 554.98 | 1470.05 | 682.57 |
| 20867 | 96.52 | 552.43 | 66.7 | 327.43 | 75.39 |
| 21013 | 96.42 | 5732.48 | 728.09 | 2600.22 | 1200.14 |
| 12700 | 96.39 | 513.97 | 181.51 | 1374.12 | 410.69 |
| 23035 | 96.18 | 219.87 | 57.58 | 622.4 | 217.65 |
| 1562 | 96.18 | 364.5 | 89.44 | 883.93 | 224.47 |
| 15366 | 96.04 | 1224.68 | 131.98 | 845.37 | 146.49 |
| 8213 | 95.78 | 7294.78 | 1359.3 | 3424.5 | 1369.31 |
| 4268 | 95.65 | 873.06 | 83.51 | 482.67 | 185.97 |
| 10498 | 95.65 | 2112.71 | 211.88 | 1355.31 | 307.99 |
| 16123 | 95.54 | 21.98 | 4.22 | 82.89 | 68.35 |
| 18725 | 95.43 | 74.32 | 18.61 | 215.35 | 84.88 |
| 17100 | 95.35 | 1311.34 | 145.25 | 854.84 | 192.39 |
| 7524 | 95.3 | 899.76 | 122.53 | 574.07 | 163.52 |
| 18846 | 95.27 | 238.88 | 26.19 | 160.96 | 34.63 |
| 22051 | 95.27 | 295.3 | 36.19 | 154.8 | 65.27 |
| 11635 | 95.25 | 124.9 | 23.96 | 292.35 | 88.09 |
| 12306 | 95.14 | 353.02 | 127.81 | 1150.24 | 528.73 |
| 11954 | 94.77 | 2749.1 | 383.91 | 1701.87 | 479.59 |
| 5923 | 94.64 | 111.72 | 15.22 | 222.33 | 75.1 |
| 24359 | 94.61 | 177.24 | 32.92 | 98.57 | 37.57 |
| 4084 | 94.48 | 324.05 | 36.14 | 193.19 | 63.84 |
| 3496 | 94.4 | 175.6 | 15.41 | 103.45 | 39.7 |
| 7872 | 94.37 | 183.73 | 15.68 | 294.36 | 82.2 |
| 20807 | 94.26 | 1294.76 | 131.56 | 908.21 | 210.95 |
| 7208 | 94.13 | 448.27 | 25.87 | 653.67 | 153.76 |
| 26117 | 94.08 | 343.68 | 36.04 | 258.54 | 309.43 |
| 3167 | 94.08 | 436.32 | 30.55 | 276.79 | 105.19 |
| 2481 | 94.03 | 70.55 | 6.74 | 144.33 | 60.72 |
| 18430 | 93.95 | 35.25 | 6.58 | 76.24 | 27.02 |
| 12629 | 93.84 | 31.74 | 10.56 | 86.43 | 33.2 |
| 2725 | 93.81 | 215.82 | 22.77 | 79.66 | 98.99 |
| 7219 | 93.79 | 673.4 | 85.14 | 1084.53 | 245.06 |
| 3917 | 93.73 | 2451.68 | 254.31 | 1580.15 | 508.47 |

| TABLE 5F: 2-AAF | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 8159 | 93.71 | 57.07 | 5 | 88.12 | 24.03 |
| 12450 | 93.71 | 29.18 | 24.08 | 161.75 | 91.33 |
| 8036 | 93.68 | 84.19 | 20.89 | 189.6 | 67.54 |
| 1651 | 93.57 | 171.33 | 32.77 | 342.1 | 92.51 |
| 547 | 93.55 | 541.96 | 57.79 | 373.56 | 91.45 |
| 18250 | 93.52 | 1304.61 | 170.81 | 951.9 | 200.34 |
| 20872 | 93.41 | 1781.42 | 515.41 | 759.82 | 252.39 |
| 24722 | 93.36 | 440.04 | 122.05 | 824.89 | 216.07 |
| 2505 | 93.36 | 382.22 | 104.6 | 754.8 | 191.4 |
| 1541 | 93.1 | 105.18 | 14.88 | 192.84 | 82.76 |
| 15876 | 93.1 | 1761.1 | 105.69 | 1389.23 | 225.59 |
| 18932 | 92.82 | 159.74 | 54.06 | 40.77 | 21.23 |
| 9905 | 92.75 | 440.45 | 52.18 | 648.09 | 151.2 |
| 5996 | 92.67 | 95.01 | 37.44 | 230.35 | 78.41 |
| 6789 | 92.64 | 551.05 | 225.19 | 177.9 | 57.01 |
| 16938 | 92.59 | 2923.07 | 893.54 | 1361.16 | 248.67 |
| 22056 | 92.59 | 2498.16 | 241.82 | 1887.96 | 398.11 |
| 18243 | 92.51 | 394.05 | 60.71 | 252.87 | 74.78 |
| 25481 | 92.49 | 3988.37 | 197.17 | 3059.38 | 1747.25 |
| 5464 | 92.45 | 958.08 | 216.78 | 325.88 | 139.14 |
| 25453 | 92.43 | 202.24 | 26.73 | 324.24 | 79.97 |
| 21288 | 92.35 | 697.49 | 144.01 | 410.02 | 142.37 |
| 20082 | 92.35 | 168.07 | 67.91 | 40.01 | 43.71 |
| 24069 | 92.35 | 52.83 | 3.68 | 36.35 | 44.76 |
| 3075 | 92.35 | 290.02 | 51.47 | 164.28 | 138.3 |
| 15462 | 92.25 | 342.69 | 69.69 | 546.33 | 119.8 |
| 14604 | 92.22 | 62.85 | 8.55 | 128.94 | 58.43 |
| 19828 | 92.16 | 127.27 | 51.58 | 49.2 | 19.81 |
| 1550 | 92.11 | 140.59 | 61.81 | 432.45 | 211.35 |
| 1551 | 92.11 | 467.63 | 162.57 | 1028.69 | 368.82 |
| 16963 | 92.06 | 7192.74 | 557.77 | 4276.46 | 3533.62 |
| 24798 | 92.06 | 307.29 | 54.8 | 572.48 | 198.9 |
| 26030 | 92.06 | 1137.36 | 198.53 | 718.85 | 238.5 |
| 4449 | 92.03 | 104.37 | 32.44 | 239.38 | 93.06 |
| 19158 | 92.01 | 158.19 | 18.23 | 109.65 | 29.45 |
| 21529 | 91.93 | 173.48 | 34.53 | 324.55 | 97.53 |
| 1653 | 91.9 | 240.4 | 57.33 | 387.22 | 96.17 |
| 7184 | 91.87 | 446.68 | 113.54 | 144.22 | 68.71 |
| 18943 | 91.87 | 830.17 | 200.19 | 369.16 | 110.57 |
| 2655 | 91.82 | 715.14 | 177.44 | 284.2 | 167.02 |
| 4206 | 91.69 | 693.93 | 61.58 | 496.07 | 122.63 |
| 15875 | 91.66 | 1576.78 | 190.53 | 1092.87 | 256.65 |
| 19300 | 91.61 | 279.01 | 42.08 | 119.87 | 105.2 |
| 22715 | 91.53 | 694.54 | 18.81 | 818.88 | 151.03 |
| 6234 | 91.48 | 136.85 | 13.31 | 78.02 | 38.86 |
| 21327 | 91.45 | 1836.82 | 123.98 | 1363.29 | 330.61 |
| 17475 | 91.42 | 400.19 | 69.02 | 206.94 | 60.23 |
| 1542 | 91.42 | 115.67 | 26.47 | 228.61 | 86.9 |
| 17684 | 91.37 | 183.88 | 38 | 321.76 | 88.66 |
| 18368 | 91.37 | 255.56 | 50.24 | 427.31 | 108.1 |
| 14983 | 91.24 | 6864.29 | 613.23 | 4022.7 | 3462.48 |

| TABLE 5F: 2-AAF | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21011 | 91.2 | 5198.1 | 676.85 | 2347.81 | 1049.52 |
| 958 | 91.05 | 160.75 | 31.99 | 300.44 | 137.39 |
| 18724 | 90.95 | 215.7 | 48.15 | 425.56 | 146.34 |
| 16130 | 90.92 | 6035.7 | 494.5 | 3520.51 | 2335.7 |
| 764 | 90.92 | 46.13 | 13.87 | 100.61 | 38.26 |
| 17729 | 90.81 | 1338.1 | 141.59 | 920.81 | 211.35 |
| 17227 | 90.81 | 2318.08 | 216.99 | 1689.68 | 380.05 |
| 16320 | 90.71 | 50.4 | 11.67 | 99.79 | 32.5 |
| 1286 | 90.6 | 78.18 | 7.49 | 113.15 | 28.14 |
| 20832 | 90.55 | 562.04 | 80.75 | 356.5 | 128.9 |
| 11662 | 90.52 | 71.84 | 14.6 | 46.42 | 17.15 |
| 20994 | 90.49 | 182.15 | 33.76 | 97.27 | 31.41 |
| 21152 | 90.49 | 5511.74 | 443.57 | 3584.64 | 2477.89 |
| 8212 | 90.43 | 4309.1 | 1259.78 | 1969.91 | 710.55 |
| 24886 | 90.3 | 1725.7 | 158.64 | 1194.97 | 295.55 |
| 15492 | 90.28 | 167.02 | 14.68 | 297.14 | 115.18 |
| 1888 | 90.25 | 106.73 | 45.17 | 32.04 | 34.65 |
| 20839 | 90.25 | 1638.02 | 196.58 | 1132.82 | 215.17 |
| 255 | 90.25 | 304.25 | 47.35 | 462.3 | 125.07 |
| 2667 | 90.18 | 549.88 | 84.49 | 809.45 | 200.69 |
| 20865 | 90.1 | 24.25 | 13.73 | 90.1 | 95.26 |
| 6525 | 90.09 | 976.57 | 244.81 | 596.19 | 127.83 |
| 20429 | 90.04 | 230.98 | 93.85 | 626.27 | 260.17 |
| 1175 | 90.04 | 262.96 | 73.75 | 632.32 | 348.17 |
| 4198 | 89.96 | 787.82 | 72.47 | 1092.13 | 232.15 |
| 695 | 89.94 | 53.51 | 4.24 | 31.99 | 33.19 |
| 15626 | 89.93 | 1942.21 | 311.08 | 1328.22 | 250.13 |
| 21015 | 89.9 | 5258.26 | 551.43 | 2916.11 | 1039.43 |
| 575 | 89.88 | 490.74 | 134.07 | 907.33 | 309.68 |
| 20507 | 89.78 | 40.88 | 5.8 | 62.65 | 28.58 |
| 21305 | 89.72 | 99.49 | 11.19 | 160.04 | 64.71 |
| 4407 | 89.7 | 78.85 | 10.44 | 144.37 | 57.75 |
| 19952 | 89.64 | 61.82 | 13.87 | 127.66 | 51.76 |
| 24885 | 89.48 | 1395.22 | 230.59 | 891.7 | 189.42 |
| 1694 | 89.43 | 1375.56 | 153.23 | 1074.39 | 235.35 |
| 2696 | 89.43 | 1018.77 | 164.73 | 618.44 | 159.27 |
| 15850 | 89.4 | 1350.25 | 856.98 | 1238.02 | 294.94 |
| 17891 | 89.38 | 35.38 | 1.44 | 40.2 | 11.58 |
| 16918 | 89.37 | 1992.68 | 249.11 | 1268.47 | 366.85 |
| 24648 | 89.3 | 59.74 | 8.75 | 93.09 | 28.61 |
| 15468 | 89.27 | 1106.62 | 106.55 | 802.42 | 153.53 |
| 12365 | 89.25 | 617.12 | 46.17 | 800.73 | 149.11 |
| 18906 | 89.19 | 39.57 | 10.06 | 81.71 | 36.35 |
| 6109 | 89.09 | 5349.68 | 544.1 | 3580.97 | 2268.22 |
| 15201 | 89.03 | 2311.38 | 238.42 | 1589.31 | 329.09 |
| 4199 | 88.87 | 670.62 | 72.81 | 893.27 | 205.43 |
| 4242 | 88.87 | 113.57 | 73.69 | 520.14 | 210.47 |
| 4213 | 88.87 | 7593.34 | 881.96 | 4452.18 | 3874.69 |
| 15380 | 88.76 | 1643.87 | 301.54 | 810.83 | 357.11 |
| 20430 | 88.74 | 293.51 | 139.83 | 826.71 | 378.78 |
| 11955 | 88.71 | 1573.75 | 309.05 | 1034.07 | 261.95 |

| TABLE 5F: 2-AAF | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24577 | 88.71 | 1464.15 | 269.95 | 907.6 | 230.25 |
| 20057 | 88.69 | 74.6 | 19.11 | 140.47 | 55.04 |
| 110 | 88.69 | 306.62 | 109.71 | 733.09 | 344.93 |
| 20821 | 88.63 | 2132.63 | 371.83 | 1446.29 | 284.65 |

| TABLE 5C: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935328.1 | | | |
| GLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20818 | 99.44 | 681.68 | 396.76 | 58.76 | 50.48 |
| 21051 | 99.42 | 25.82 | 5.72 | 169.47 | 87.24 |
| 20817 | 99.42 | 1097.61 | 584.9 | 33.94 | 96.13 |
| 16958 | 99.26 | 163.73 | 20.5 | 46.79 | 20.77 |
| 14970 | 99.18 | 56.14 | 7.65 | 184.72 | 40.93 |
| 14960 | 99.12 | 3029.21 | 292.61 | 1295.98 | 395.82 |
| 14512 | 99.07 | 240.92 | 30.64 | 1059.86 | 373.66 |
| 8898 | 99.04 | 324.05 | 39.69 | 812.17 | 179.92 |
| 17090 | 99.04 | 205.95 | 36.94 | 58.19 | 25.45 |
| 8592 | 98.99 | 99.79 | 15.85 | 378.1 | 131.56 |
| 15462 | 98.86 | 241.96 | 32.59 | 546.98 | 118.67 |
| 25675 | 98.86 | 1595.4 | 148.8 | 737.99 | 198.87 |
| 12524 | 98.83 | 858.06 | 70.36 | 390.39 | 107.38 |
| 9134 | 98.8 | 977.58 | 104.07 | 470.65 | 100.91 |
| 17091 | 98.8 | 302.38 | 64.25 | 43.56 | 37.87 |
| 8899 | 98.78 | 325.26 | 73.6 | 909.22 | 196.27 |
| 2505 | 98.78 | 231.43 | 34.98 | 755.8 | 189.47 |
| 4650 | 98.65 | 268.49 | 45.07 | 63.08 | 57.13 |
| 3023 | 98.65 | 83.25 | 22.18 | 359.33 | 106.87 |
| 19254 | 98.62 | 532.26 | 122.72 | 161.17 | 64.73 |
| 11849 | 98.62 | 1250.42 | 49.16 | 744.49 | 161.92 |
| 7552 | 98.62 | 243 | 43.8 | 985.86 | 277.63 |
| 24234 | 98.62 | 713.75 | 261.49 | 144.01 | 113.63 |
| 5667 | 98.59 | 1314.23 | 121.68 | 814.6 | 304.56 |
| 9136 | 98.59 | 681.01 | 57.09 | 336.6 | 86.24 |
| 18610 | 98.57 | 409.16 | 46.24 | 787.48 | 153.52 |
| 21586 | 98.57 | 146.56 | 36.94 | 21.03 | 25.51 |
| 6405 | 98.54 | 125.56 | 15.95 | 39.51 | 33.97 |
| 6189 | 98.54 | 424.58 | 107.49 | 3943.76 | 2199.09 |
| 16311 | 98.51 | 1524.82 | 548.61 | 242.17 | 217.65 |
| 11635 | 98.51 | 81.5 | 14.25 | 292.66 | 87.54 |
| 1653 | 98.49 | 173.45 | 21.77 | 387.65 | 95.53 |
| 19252 | 98.46 | 1360.15 | 244.77 | 515.57 | 179.76 |
| 11850 | 98.46 | 2198.28 | 189.16 | 1083.75 | 295.64 |
| 23109 | 98.46 | 1528 | 178.26 | 824.17 | 192.23 |
| 21053 | 98.43 | 693.77 | 71.61 | 1897.77 | 724.77 |
| 8872 | 98.43 | 1610.12 | 286 | 488.24 | 226.21 |
| 6108 | 98.41 | 258.2 | 51.4 | 110.12 | 43.9 |
| 5920 | 98.38 | 1558.1 | 470.33 | 454.77 | 201.18 |
| 17092 | 98.35 | 264.24 | 55.84 | 79.82 | 44.53 |
| 6107 | 98.35 | 309.22 | 85.55 | 91.76 | 53.88 |
| 24321 | 98.35 | 142.58 | 46.88 | 804.04 | 258.17 |
| 23390 | 98.35 | 1120.41 | 134.54 | 443.75 | 150.3 |
| 11429 | 98.33 | 125.24 | 12.42 | 233.12 | 43.91 |
| 19253 | 98.33 | 511.68 | 68.64 | 206.18 | 79.88 |
| 6945 | 98.33 | 53.77 | 10.52 | 145.7 | 33.05 |
| 24722 | 98.33 | 225.62 | 65.8 | 826.24 | 213.43 |
| 25499 | 98.33 | 1244.43 | 134.74 | 658.82 | 134.04 |
| 15900 | 98.33 | 450.4 | 66.32 | 184.15 | 74.9 |
| 19732 | 98.33 | 157.23 | 27.45 | 990.44 | 467.21 |
| 22582 | 98.27 | 100.04 | 19.95 | 439.37 | 141.24 |

| TABLE 5G: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15135 | 98.25 | 1569.99 | 188.85 | 785.79 | 180.38 |
| 25253 | 98.25 | 751.8 | 97.3 | 316.82 | 98.26 |
| 1399 | 98.22 | 736.06 | 246.43 | 94.3 | 78.44 |
| 17758 | 98.19 | 39.34 | 17.14 | 365.03 | 375.55 |
| 4314 | 98.19 | 196.9 | 24.58 | 456.28 | 116.95 |
| 7299 | 98.19 | 682.78 | 204.95 | 86.72 | 151.11 |
| 24368 | 98.14 | 368.13 | 51.19 | 166.69 | 69.61 |
| 2838 | 98.11 | 166.07 | 30.91 | 39.12 | 49.25 |
| 22554 | 98.09 | 474.87 | 72.77 | 1498.42 | 436.8 |
| 18434 | 98.09 | 284.2 | 56.24 | 794.65 | 235.06 |
| 1644 | 98.06 | 61.72 | 12.63 | 158.45 | 52.56 |
| 6155 | 98.06 | 96.61 | 14.69 | 276.22 | 110.72 |
| 15542 | 98.06 | 761.89 | 95.5 | 392.15 | 103.77 |
| 16756 | 98.03 | 466.98 | 36.07 | 263.8 | 95.83 |
| 20462 | 98.03 | 1506.3 | 194.85 | 830.21 | 155.82 |
| 19407 | 98.03 | 1136.89 | 151.98 | 598.29 | 153.63 |
| 11039 | 98.03 | 25.6 | 14.99 | 166.57 | 57.78 |
| 24246 | 98.03 | 797.05 | 145.39 | 302.5 | 113.92 |
| 24771 | 98.03 | 276.1 | 76.48 | 1111.76 | 312.72 |
| 5493 | 98.03 | 266.56 | 52.06 | 53.26 | 62.34 |
| 5778 | 98.01 | 124 | 38.87 | 356.84 | 146.68 |
| 18490 | 98.01 | 71.72 | 15.76 | 169.71 | 45.12 |
| 15673 | 98.01 | 1592.77 | 165.69 | 916.73 | 188.89 |
| 22849 | 97.98 | 515.41 | 63.55 | 222.2 | 76.48 |
| 2587 | 97.98 | 647.25 | 96.49 | 1654.19 | 454.71 |
| 24811 | 97.98 | 351.65 | 111.68 | 1510.4 | 451.4 |
| 18837 | 97.95 | 80.04 | 25.62 | 282.58 | 97.71 |
| 12314 | 97.95 | 857.06 | 190.36 | 2171.88 | 673.37 |
| 18375 | 97.95 | 228.39 | 50.17 | 90.76 | 29.88 |
| 6824 | 97.95 | 1321.6 | 311.33 | 411.16 | 205.73 |
| 25204 | 97.93 | 180.62 | 43.32 | 532.86 | 171.33 |
| 11205 | 97.93 | 339.68 | 64.17 | 923.97 | 242.44 |
| 6826 | 97.93 | 131.69 | 38.88 | 521.49 | 198.59 |
| 15113 | 97.93 | 166.07 | 44.28 | 521.61 | 152.45 |
| 18990 | 97.93 | 255.16 | 96.79 | 24.56 | 54.56 |
| 17549 | 97.9 | 1155.54 | 113.45 | 653.94 | 143.17 |
| 20735 | 97.9 | 747.86 | 150.92 | 186.95 | 125.95 |
| 20864 | 97.9 | 2068.56 | 578.81 | 462.79 | 361.34 |
| 4199 | 97.87 | 434.82 | 51.57 | 894.64 | 203.35 |
| 12523 | 97.85 | 436.82 | 102.63 | 159.92 | 57.25 |
| 1460 | 97.85 | 869.78 | 182.56 | 282.95 | 153.68 |
| 10109 | 97.82 | 1736.85 | 168.21 | 1043.86 | 218.33 |
| 15465 | 97.82 | 246.31 | 48.07 | 656.79 | 179.18 |
| 17897 | 97.79 | 164.57 | 30.22 | 458.17 | 132.72 |
| 1884 | 97.79 | 364.39 | 52 | 162.94 | 51.02 |
| 25069 | 97.79 | 1319.08 | 301.55 | 199.44 | 235.37 |
| 1647 | 97.77 | 23.39 | 8.06 | 91.03 | 36.39 |
| 16102 | 97.77 | 146.58 | 29.51 | 33.07 | 35.16 |
| 15543 | 97.77 | 489.03 | 57.38 | 225.65 | 69.71 |
| 4730 | 97.77 | 105.4 | 32.71 | 1486.12 | 918.03 |
| 13088 | 97.74 | 148.5 | 73.25 | 1281.62 | 434.43 |

| TABLE 5G: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLC/C Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20931 | 97.69 | 68.57 | 20.36 | 436.46 | 215.94 |
| 20600 | 97.66 | 56.63 | 21.78 | 599.38 | 332.16 |
| 6403 | 97.61 | 149.21 | 24.65 | 58.86 | 28.32 |
| 25686 | 97.61 | 1251.9 | 176.11 | 719.18 | 184.03 |
| 14987 | 97.58 | 1441.01 | 268.43 | 631.61 | 210.18 |
| 17405 | 97.58 | 160.17 | 15.07 | 87.46 | 22.28 |
| 21950 | 97.58 | 310.54 | 60.16 | 694.88 | 151.27 |
| 18606 | 97.58 | 1229.94 | 92.67 | 726.77 | 175.55 |
| 9687 | 97.56 | 91.55 | 8.77 | 45.28 | 21.52 |
| 3131 | 97.53 | 134.57 | 18.66 | 437.53 | 153.93 |
| 5492 | 97.48 | 190.21 | 71.87 | 35.55 | 62.01 |
| 25281 | 97.45 | 318.64 | 46.1 | 153.49 | 47.61 |
| 15876 | 97.45 | 2159.08 | 273.78 | 1386.92 | 219.35 |
| 794 | 97.45 | 239.5 | 45.81 | 805.02 | 225.73 |
| 24810 | 97.42 | 75.11 | 33.12 | 418.65 | 149.72 |
| 25480 | 97.4 | 161.63 | 43.28 | 608.09 | 191.26 |
| 20601 | 97.4 | 173.36 | 40.61 | 972.89 | 456.48 |
| 22576 | 97.37 | 1066.02 | 191.05 | 528.85 | 142.81 |
| 20385 | 97.37 | 2013.75 | 471.72 | 953.92 | 268.85 |
| 15138 | 97.32 | 212.66 | 39.75 | 83.73 | 43.36 |
| 24885 | 97.29 | 1560.36 | 224.08 | 890.56 | 186.33 |
| 20902 | 97.29 | 213.65 | 20.79 | 107.6 | 35.99 |
| 17684 | 97.26 | 125.56 | 24.73 | 322.15 | 88.05 |
| 23854 | 97.26 | 969.78 | 127.99 | 449.89 | 145.83 |
| 16217 | 97.24 | 204.89 | 37.65 | 452.1 | 150.87 |
| 21054 | 97.21 | 89.11 | 36.29 | 517.88 | 207.19 |
| 25718 | 97.21 | 755.46 | 58.04 | 435.23 | 111.18 |
| 21977 | 97.18 | 207.43 | 59.84 | 710.09 | 218.42 |
| 11153 | 97.16 | 236.96 | 44.12 | 634.23 | 201.04 |
| 9905 | 97.16 | 292.18 | 56.38 | 648.99 | 149.67 |
| 13646 | 97.16 | 1336.65 | 124.82 | 745.19 | 193.22 |
| 20940 | 97.1 | 1443.84 | 423.26 | 542.45 | 203.85 |
| 25257 | 97.08 | 257.06 | 59.41 | 98.59 | 67.52 |
| 2696 | 97.05 | 1094.2 | 119.83 | 617.82 | 158.08 |
| 24886 | 97.02 | 1901.73 | 315.96 | 1193.75 | 292.77 |
| 20681 | 97.02 | 175.21 | 22.62 | 98.24 | 27.83 |
| 19244 | 97.02 | 1832.1 | 169.4 | 1103.11 | 245.05 |
| 1562 | 96.97 | 381.25 | 66.67 | 884.11 | 224.44 |
| 18036 | 96.97 | 63.95 | 32.55 | 277.98 | 93.32 |
| 17104 | 96.94 | 1002.84 | 110.51 | 540.67 | 138.78 |

| TABLE 5H: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21051 | 99.42 | 25.82 | 5.72 | 169.47 | 87.24 |
| 8898 | 99.04 | 324.05 | 39.69 | 812.17 | 179.92 |
| 25675 | 98.86 | 1595.4 | 148.8 | 737.99 | 198.87 |
| 12524 | 98.83 | 858.06 | 70.36 | 390.39 | 107.38 |
| 9134 | 98.8 | 977.58 | 104.07 | 470.65 | 100.91 |
| 8899 | 98.78 | 325.26 | 73.6 | 909.22 | 196.27 |
| 24234 | 98.62 | 713.75 | 261.49 | 144.01 | 113.63 |
| 11849 | 98.62 | 1250.42 | 49.16 | 744.49 | 161.92 |
| 19254 | 98.62 | 532.26 | 122.72 | 161.17 | 64.73 |
| 9136 | 98.59 | 681.01 | 57.09 | 336.6 | 86.24 |
| 5667 | 98.59 | 1314.23 | 121.68 | 814.6 | 304.56 |
| 18610 | 98.57 | 409.16 | 46.24 | 787.48 | 153.52 |
| 6405 | 98.54 | 125.56 | 15.95 | 39.51 | 33.97 |
| 16311 | 98.51 | 1524.82 | 548.61 | 242.17 | 217.65 |
| 23109 | 98.46 | 1528 | 178.26 | 824.17 | 192.23 |
| 19252 | 98.46 | 1360.15 | 244.77 | 515.57 | 179.76 |
| 21053 | 98.43 | 693.77 | 71.61 | 1897.77 | 724.77 |
| 6108 | 98.41 | 258.2 | 51.4 | 110.12 | 43.9 |
| 6107 | 98.35 | 309.22 | 85.55 | 91.76 | 53.88 |
| 17092 | 98.35 | 264.24 | 55.84 | 79.82 | 44.53 |
| 15900 | 98.33 | 450.4 | 66.32 | 184.15 | 74.9 |
| 25499 | 98.33 | 1244.43 | 134.74 | 658.82 | 134.04 |
| 6945 | 98.33 | 53.77 | 10.52 | 145.7 | 33.05 |
| 19253 | 98.33 | 511.68 | 68.64 | 206.18 | 79.88 |
| 25253 | 98.25 | 751.8 | 97.3 | 316.82 | 98.26 |
| 15135 | 98.25 | 1569.99 | 188.85 | 785.79 | 180.38 |
| 7299 | 98.19 | 682.78 | 204.95 | 86.72 | 151.11 |
| 24368 | 98.14 | 368.13 | 51.19 | 166.69 | 69.61 |
| 2838 | 98.11 | 166.07 | 30.91 | 39.12 | 49.25 |
| 18434 | 98.09 | 284.2 | 56.24 | 794.65 | 235.06 |
| 15542 | 98.06 | 761.89 | 95.5 | 392.15 | 103.77 |
| 19407 | 98.03 | 1136.89 | 151.98 | 598.29 | 153.63 |
| 20462 | 98.03 | 1506.3 | 194.85 | 830.21 | 155.82 |
| 16756 | 98.03 | 466.98 | 36.07 | 263.8 | 95.83 |
| 18490 | 98.01 | 71.72 | 15.76 | 169.71 | 45.12 |
| 5778 | 98.01 | 124 | 38.87 | 356.84 | 146.68 |
| 22849 | 97.98 | 515.41 | 63.55 | 222.2 | 76.48 |
| 6824 | 97.95 | 1321.6 | 311.33 | 411.16 | 205.73 |
| 18375 | 97.95 | 228.39 | 50.17 | 90.76 | 29.88 |
| 6826 | 97.93 | 131.69 | 38.88 | 521.49 | 198.59 |
| 25204 | 97.93 | 180.62 | 43.32 | 532.86 | 171.33 |
| 20735 | 97.9 | 747.86 | 150.92 | 186.95 | 125.95 |
| 17549 | 97.9 | 1155.54 | 113.45 | 653.94 | 143.17 |
| 1460 | 97.85 | 869.78 | 182.56 | 282.95 | 153.68 |
| 12523 | 97.85 | 436.82 | 102.63 | 159.92 | 57.25 |
| 15465 | 97.82 | 246.31 | 48.07 | 656.79 | 179.18 |
| 10109 | 97.82 | 1736.85 | 168.21 | 1043.86 | 218.33 |
| 1884 | 97.79 | 364.39 | 52 | 162.94 | 51.02 |
| 17897 | 97.79 | 164.57 | 30.22 | 458.17 | 132.72 |
| 4730 | 97.77 | 105.4 | 32.71 | 1486.12 | 918.03 |
| 15543 | 97.77 | 489.03 | 57.38 | 225.65 | 69.71 |

| TABLE 5H: APAP | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16102 | 97.77 | 146.58 | 29.51 | 33.07 | 35.16 |
| 1647 | 97.77 | 23.39 | 8.06 | 91.03 | 36.39 |
| 14510 | 97.74 | 830.06 | 206.27 | 3255.5 | 1192.74 |
| 2350 | 97.74 | 1165.24 | 133.94 | 653.91 | 177.31 |
| 20931 | 97.69 | 68.57 | 20.36 | 436.46 | 215.94 |
| 1649 | 97.69 | 60.68 | 10.69 | 148.15 | 48.13 |
| 20600 | 97.66 | 56.63 | 21.78 | 599.38 | 332.16 |
| 6237 | 97.64 | 199.37 | 72.92 | 627.56 | 216.03 |
| 20123 | 97.61 | 57.58 | 25.58 | 307.09 | 106.79 |
| 23860 | 97.61 | 152.54 | 24.79 | 66.77 | 21.53 |
| 6403 | 97.61 | 149.21 | 24.65 | 58.86 | 28.32 |
| 25686 | 97.61 | 1251.9 | 176.11 | 719.18 | 184.03 |
| 18606 | 97.58 | 1229.94 | 92.67 | 726.77 | 175.55 |
| 3062 | 97.58 | 1393.67 | 275.35 | 3311.28 | 904.29 |
| 14987 | 97.58 | 1441.01 | 268.43 | 631.61 | 210.18 |
| 17405 | 97.58 | 160.17 | 15.07 | 87.46 | 22.28 |
| 9687 | 97.56 | 91.55 | 8.77 | 45.28 | 21.52 |
| 3131 | 97.53 | 134.57 | 18.66 | 437.53 | 153.93 |
| 7586 | 97.53 | 98.65 | 17.89 | 319.54 | 128.23 |
| 11403 | 97.5 | 803.57 | 126.7 | 182.33 | 197.54 |
| 17762 | 97.5 | 102.91 | 14.85 | 50.43 | 18.48 |
| 12613 | 97.48 | 242 | 43.87 | 96.31 | 45.76 |
| 3256 | 97.45 | 2022.6 | 382.06 | 1009.67 | 275.31 |
| 25281 | 97.45 | 318.64 | 46.1 | 153.49 | 47.61 |
| 15876 | 97.45 | 2159.08 | 273.78 | 1386.92 | 219.35 |
| 17155 | 97.42 | 385.14 | 74.19 | 136.66 | 61.06 |
| 13684 | 97.42 | 1055.83 | 195.24 | 512.19 | 147.23 |
| 20601 | 97.4 | 173.36 | 40.61 | 972.89 | 456.48 |
| 6016 | 97.4 | 590.61 | 172.85 | 2106.65 | 762.89 |
| 10310 | 97.4 | 549.46 | 72.33 | 263.69 | 82.67 |
| 11404 | 97.37 | 761.56 | 139.23 | 218.12 | 122.16 |
| 20385 | 97.37 | 2013.75 | 471.72 | 953.92 | 268.85 |
| 22576 | 97.37 | 1066.02 | 191.05 | 528.85 | 142.81 |
| 4330 | 97.34 | 382.33 | 117.18 | 1524.27 | 453.35 |
| 18672 | 97.34 | 192.94 | 34.65 | 87.24 | 30.59 |
| 15138 | 97.32 | 212.66 | 39.75 | 83.73 | 43.36 |
| 6743 | 97.32 | 524.97 | 79.95 | 1101.05 | 267.95 |
| 23985 | 97.32 | 679.7 | 173.63 | 1792.37 | 544.99 |
| 18507 | 97.29 | 1358.56 | 157.48 | 693.63 | 200.2 |
| 20902 | 97.29 | 213.65 | 20.79 | 107.6 | 35.99 |
| 24885 | 97.29 | 1560.36 | 224.08 | 890.56 | 186.33 |
| 14118 | 97.26 | 410.29 | 67.7 | 1136.67 | 461.41 |
| 3916 | 97.24 | 548.99 | 134.29 | 1543.77 | 405.83 |
| 13294 | 97.24 | 697.13 | 77.77 | 346.45 | 104.54 |
| 22370 | 97.24 | 92.96 | 19.96 | 268.48 | 104.1 |
| 16217 | 97.24 | 204.89 | 37.65 | 452.1 | 150.87 |
| 25718 | 97.21 | 755.46 | 58.04 | 435.23 | 111.18 |
| 24369 | 97.21 | 495.6 | 90.9 | 205.92 | 83.68 |
| 21054 | 97.21 | 89.11 | 36.29 | 517.88 | 207.19 |
| 13646 | 97.16 | 1336.65 | 124.82 | 745.19 | 193.22 |
| 20940 | 97.1 | 1443.84 | 423.26 | 542.45 | 203.85 |

| TABLE 5H: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25257 | 97.08 | 257.06 | 59.41 | 98.59 | 67.52 |
| 2696 | 97.05 | 1094.2 | 119.83 | 617.82 | 158.08 |
| 24886 | 97.02 | 1901.73 | 315.96 | 1193.75 | 292.77 |
| 20681 | 97.02 | 175.21 | 22.62 | 98.24 | 27.83 |
| 19244 | 97.02 | 1832.1 | 169.4 | 1103.11 | 245.05 |
| 18036 | 96.97 | 63.95 | 32.55 | 277.98 | 93.32 |
| 17104 | 96.94 | 1002.84 | 110.51 | 540.67 | 138.78 |
| 21052 | 96.84 | 61.73 | 25.05 | 292.3 | 108.64 |
| 16364 | 96.84 | 21.53 | 13.77 | 180 | 87.93 |
| 16993 | 96.79 | 387.5 | 78.61 | 1061.34 | 293.27 |
| 11840 | 96.76 | 204.51 | 68.75 | 68.64 | 35.05 |
| 25643 | 96.73 | 244.42 | 42.29 | 125.71 | 45.39 |
| 15675 | 96.71 | 718.54 | 79.85 | 447.02 | 186.39 |
| 25589 | 96.63 | 243.19 | 28.58 | 131.88 | 42.88 |
| 12422 | 96.6 | 124.39 | 18.86 | 68.56 | 21.26 |
| 10886 | 96.6 | 325.89 | 93.64 | 980.14 | 409.23 |
| 15626 | 96.6 | 1914.3 | 141.96 | 1328.04 | 250.78 |
| 28 | 96.55 | 186.44 | 70.7 | 807.75 | 265.21 |
| 16929 | 96.55 | 1594.84 | 167.31 | 1086.66 | 173.14 |
| 12639 | 96.52 | 1626.07 | 188.36 | 1099.3 | 171.97 |
| 16938 | 96.52 | 2004.9 | 196.62 | 1365.21 | 273.01 |
| 25687 | 96.52 | 1940.06 | 247.25 | 1273.37 | 658.59 |
| 24434 | 96.49 | 38.82 | 23.96 | 233.99 | 99.58 |
| 4242 | 96.41 | 100.9 | 40.08 | 520.43 | 210.22 |
| 16518 | 96.41 | 1777.52 | 283.26 | 768.04 | 332.01 |
| 25679 | 96.41 | 1520.18 | 184.24 | 881.89 | 242.51 |
| 12312 | 96.39 | 358.58 | 110.89 | 975.45 | 264.89 |
| 1291 | 96.36 | 251.2 | 28.23 | 131.63 | 42.94 |
| 455 | 96.36 | 89.57 | 13.42 | 48.25 | 28.71 |
| 20985 | 96.36 | 42.78 | 14.1 | 137.56 | 59.51 |
| 2149 | 96.33 | 506.27 | 67.22 | 974.2 | 220.61 |
| 10819 | 96.33 | 1898.28 | 255.72 | 1168.54 | 332.47 |
| 25064 | 96.31 | 2337.37 | 452.87 | 1182 | 347.01 |
| 9254 | 96.28 | 95.28 | 12.81 | 184.17 | 48.09 |
| 588 | 96.28 | 364.19 | 99.5 | 941.19 | 268.67 |
| 10544 | 96.23 | 376.12 | 70.44 | 178.8 | 70.11 |
| 7872 | 96.23 | 124.75 | 31.1 | 294.73 | 81.62 |
| 228 | 96.23 | 234.23 | 39.63 | 486.3 | 120.57 |
| 6911 | 96.2 | 84.71 | 30.44 | 234.52 | 74.21 |
| 17105 | 96.2 | 1492 | 142.32 | 980.86 | 352.79 |
| 17923 | 96.17 | 96.71 | 10.34 | 51.96 | 19.1 |
| 23523 | 96.17 | 378.22 | 39.85 | 197.58 | 97.93 |

| TABLE 51: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4234 | 96.37 | 1562.41 | 228.3 | 606.16 | 282.97 |
| 9190 | 95.99 | 409.24 | 55.69 | 1023.78 | 355.45 |
| 21848 | 95.38 | 508.36 | 72.43 | 299.78 | 75.97 |
| 15070 | 95.33 | 59.8 | 20.57 | 366.97 | 192.1 |
| 4360 | 95.3 | 54.59 | 17.66 | 266.55 | 127.78 |
| 16215 | 95.27 | 425.16 | 58.89 | 782.02 | 174.56 |
| 2539 | 95.23 | 218.65 | 96.22 | 29.3 | 38.24 |
| 3131 | 95.19 | 144.5 | 37.62 | 439.05 | 152.9 |
| 15069 | 94.9 | 202.3 | 65.8 | 908.6 | 378.42 |
| 15997 | 94.88 | 813.65 | 351.32 | 122.49 | 170.98 |
| 1920 | 94.88 | 1504.99 | 398.7 | 430.96 | 246.08 |
| 8899 | 94.85 | 521.05 | 77.11 | 910.25 | 197.25 |
| 24249 | 94.85 | 180.01 | 39.13 | 1457.81 | 1262.86 |
| 18686 | 94.76 | 1999.23 | 361.77 | 694.29 | 601.03 |
| 64 | 94.63 | 59.26 | 14.42 | 135.3 | 43.74 |
| 9423 | 94.62 | 1693.26 | 379.24 | 806.14 | 285.06 |
| 1921 | 94.62 | 875.53 | 204.06 | 208.56 | 153.39 |
| 1501 | 94.46 | 164.01 | 82.59 | 505.88 | 250.23 |
| 20714 | 94.43 | 1591.59 | 292.98 | 557.8 | 697.68 |
| 20999 | 94.42 | 35.6 | 7.8 | 83.78 | 30.94 |
| 6861 | 94.35 | 72.59 | 30.82 | 171.58 | 37.22 |
| 16364 | 94.34 | 47.31 | 18.02 | 180.58 | 87.85 |
| 11726 | 94.27 | 1003.07 | 424.2 | 129.34 | 152.94 |
| 4291 | 94.26 | 73.8 | 39.53 | 311.61 | 138.1 |
| 1312 | 94.23 | 405.84 | 35.49 | 640.08 | 136.15 |
| 4003 | 94.2 | 65.49 | 22.78 | 179.63 | 79.96 |
| 23629 | 94.19 | 197.75 | 56.32 | 84.36 | 37.93 |
| 13933 | 94.11 | 201.22 | 38.22 | 103.76 | 35.78 |
| 17720 | 94.11 | 208.32 | 37.5 | 118.42 | 31.87 |
| 1431 | 94.02 | 95.78 | 34.77 | 435.85 | 187 |
| 23711 | 93.99 | 955.74 | 410.02 | 175.38 | 265.8 |
| 15996 | 93.97 | 531.17 | 191.59 | 104.03 | 129.76 |
| 15599 | 93.96 | 390.65 | 46.86 | 644.66 | 140.56 |
| 17334 | 93.95 | 456.16 | 134.26 | 174.33 | 81.45 |
| 1973 | 93.91 | 202.65 | 40.97 | 393.37 | 105.86 |
| 25705 | 93.91 | 480.04 | 58.52 | 746.23 | 197.9 |
| 7582 | 93.83 | 177.41 | 46.3 | 517.4 | 201.05 |
| 3548 | 93.79 | 21.78 | 11.09 | 80.61 | 29.95 |
| 23709 | 93.69 | 639.52 | 233.03 | 172.58 | 245.86 |
| 20779 | 93.68 | 2353.04 | 350.51 | 1361.2 | 334.8 |
| 10918 | 93.63 | 334.12 | 78.88 | 160.07 | 58.07 |
| 11079 | 93.62 | 31.23 | 8.61 | 92.7 | 35.85 |
| 16450 | 93.52 | 68.54 | 24.67 | 250.64 | 90.74 |
| 7837 | 93.51 | 96.9 | 18.89 | 204.81 | 65.61 |
| 2911 | 93.44 | 463.75 | 153.15 | 1194.47 | 357.16 |
| 17468 | 93.43 | 362.22 | 49.8 | 563.99 | 115.19 |
| 23044 | 93.42 | 387.95 | 117.87 | 150.64 | 50.01 |
| 19605 | 93.39 | 236.72 | 41.49 | 129.62 | 41.34 |
| 9776 | 93.25 | 1329.18 | 343.19 | 709.9 | 233.64 |
| 18727 | 93.25 | 1872.44 | 279.45 | 752.03 | 366.47 |
| 17506 | 93.13 | 399.01 | 349.67 | 28.06 | 50.99 |

| TABLE 51: APAP | | Attorney Docket 44921-5033-01-WO | | | |
|------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16982 | 93.12 | 1641.85 | 437.99 | 322.65 | 457.76 |
| 15401 | 93.08 | 139.13 | 62.85 | 43.23 | 22.13 |
| 21842 | 93.04 | 83.37 | 32.47 | 568.46 | 292.58 |
| 8715 | 93.02 | 4368.81 | 1539.49 | 1535.24 | 565.09 |
| 18687 | 92.96 | 1938 | 349.18 | 648.4 | 576.75 |
| 5934 | 92.9 | 109.95 | 37.22 | 370.97 | 164.98 |
| 445 | 92.85 | 81.23 | 17.64 | 39.99 | 24.99 |
| 22378 | 92.8 | 21.7 | 19.29 | 100.06 | 39.37 |
| 5953 | 92.73 | 1310.4 | 496.07 | 175.05 | 193.14 |
| 7927 | 92.69 | 58.26 | 50.37 | 288.45 | 114.77 |
| 23606 | 92.65 | 1356.06 | 401.57 | 396.57 | 199.22 |
| 17183 | 92.52 | 220.92 | 28.69 | 347.74 | 76.33 |
| 6291 | 92.45 | 578.1 | 67.62 | 986.56 | 239.67 |
| 5952 | 92.44 | 481.14 | 170.63 | 103.14 | 98.67 |
| 9128 | 92.37 | 193.76 | 55.1 | 109.37 | 76.47 |
| 17897 | 92.26 | 206.99 | 46.02 | 459.28 | 132.2 |
| 15154 | 92.18 | 355.55 | 43.5 | 625.96 | 172.69 |
| 15127 | 92.1 | 1431.46 | 270.71 | 685.54 | 318.61 |
| 1035 | 92.08 | 90.86 | 18.74 | 51.76 | 21.96 |
| 3132 | 92.08 | 178.13 | 64.77 | 40.93 | 76.63 |
| 20931 | 92.07 | 131.65 | 49.32 | 437.75 | 215.84 |
| 20535 | 92.05 | 82.27 | 20.25 | 41.33 | 19.59 |
| 3550 | 92.02 | 192.11 | 39.27 | 351.28 | 89.88 |
| 1919 | 92.01 | 1065.82 | 400.77 | 236.46 | 159.88 |
| 2905 | 91.94 | 131.31 | 103.34 | 501.19 | 187.74 |
| 23029 | 91.89 | 39.51 | 115.3 | 776.06 | 454.6 |
| 11727 | 91.88 | 1387.25 | 554.3 | 171.64 | 201.37 |
| 21097 | 91.85 | 1927.2 | 412.81 | 913.68 | 378.2 |
| 20146 | 91.84 | 100.18 | 21.58 | 41.99 | 22.7 |
| 349 | 91.83 | 76.21 | 16.89 | 137.26 | 38.43 |
| 15170 | 91.78 | 83.81 | 34.97 | 197.37 | 55.8 |
| 7225 | 91.73 | 158.31 | 57.84 | 345.4 | 93.41 |
| 22545 | 91.65 | 487.71 | 98.05 | 241.09 | 111.15 |
| 8549 | 91.6 | 231.74 | 81.83 | 666.55 | 224.06 |
| 23030 | 91.57 | 32.47 | 60.21 | 488.12 | 305.14 |
| 1561 | 91.57 | 533.29 | 93.86 | 876.61 | 221.12 |
| 23710 | 91.54 | 208.44 | 92.17 | 40.21 | 129.93 |
| 18061 | 91.54 | 63.5 | 15.19 | 111.67 | 24.77 |
| 18640 | 91.52 | 93.97 | 12.47 | 159.7 | 37.95 |
| 17564 | 91.46 | 799.28 | 131.94 | 489.7 | 134.27 |
| 25204 | 91.44 | 275.5 | 41.95 | 533.73 | 171.63 |
| 17686 | 91.38 | 1234.06 | 129.33 | 873.34 | 183.54 |
| 22862 | 91.34 | 113.44 | 94.34 | 457.96 | 162.69 |
| 8438 | 91.32 | 30.88 | 12.98 | 94.84 | 45.18 |
| 13426 | 91.3 | 868.27 | 179.74 | 527.89 | 175.5 |
| 11191 | 91.29 | 152.66 | 125.54 | 1145.68 | 753.65 |
| 25814 | 91.27 | 42.6 | 15.87 | 139.24 | 72.71 |
| 11728 | 91.26 | 1048.59 | 372.55 | 186.93 | 207.95 |
| 22233 | 91.25 | 245.66 | 47.06 | 427.41 | 105.58 |
| 28 | 91.06 | 329.84 | 89.88 | 809.54 | 265.09 |
| 164 | 91.01 | 454.39 | 71.38 | 741.61 | 171.3 |

| TABLE 51: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24825 | 90.99 | 2015.31 | 542.75 | 885.79 | 371.64 |
| 13568 | 90.96 | 21.64 | 6.81 | 47.5 | 16.27 |
| 21238 | 90.89 | 262.55 | 92.12 | 78.06 | 75.72 |
| 1354 | 90.78 | 897.25 | 231.72 | 255.42 | 211.55 |
| 16767 | 90.77 | 1023.33 | 197.7 | 601.28 | 193.7 |
| 20743 | 90.69 | 73.83 | 19.39 | 140.92 | 37.81 |
| 21980 | 90.66 | 283.16 | 46.28 | 508.52 | 161.96 |
| 17533 | 90.65 | 137.9 | 29.54 | 307.57 | 124.83 |
| 1314 | 90.61 | 250.56 | 16.13 | 189.08 | 45.84 |
| 15126 | 90.54 | 2755.14 | 656.25 | 1260.02 | 515.92 |
| 14970 | 90.5 | 108.49 | 26.73 | 184.85 | 41.27 |
| 18981 | 90.46 | 79.97 | 15.43 | 167.26 | 133.04 |
| 16912 | 90.42 | 173.9 | 41.63 | 304.32 | 78.3 |
| 22352 | 90.42 | 650.9 | 404.48 | 104.75 | 168.64 |
| 10509 | 90.4 | 54.07 | 15.54 | 139.36 | 53.74 |
| 15642 | 90.28 | 933.55 | 366.64 | 370.6 | 146.07 |
| 20799 | 90.22 | 263.93 | 35.28 | 487.22 | 132.92 |
| 15995 | 90.12 | 532.08 | 290.02 | 97.66 | 144.67 |
| 18867 | 90.07 | 479.33 | 95.41 | 829.59 | 221.32 |
| 23523 | 90.03 | 376.94 | 68.02 | 196.62 | 97.12 |
| 17382 | 89.98 | 477.16 | 81.55 | 272.05 | 85.6 |
| 23202 | 89.94 | 53.47 | 15.57 | 123.82 | 39.39 |
| 21909 | 89.81 | 74.84 | 16.14 | 155.4 | 58.67 |
| 15980 | 89.67 | 21.11 | 15.6 | 63.98 | 22.96 |
| 16553 | 89.63 | 88.73 | 41.96 | 259.37 | 85.39 |
| 15926 | 89.61 | 302.73 | 67.86 | 591.59 | 206.5 |
| 23419 | 89.58 | 332.88 | 86.83 | 184.8 | 65.9 |
| 25460 | 89.52 | 308.59 | 100.83 | 1155.07 | 551.47 |
| 24219 | 89.5 | 783.08 | 189.05 | 376.58 | 184.34 |
| 25089 | 89.4 | 157.98 | 54.36 | 43.7 | 44.67 |
| 24161 | 89.38 | 285.34 | 35.11 | 461.88 | 124 |
| 23194 | 89.34 | 40.08 | 28.27 | 154.82 | 73.37 |
| 397 | 89.31 | 137.37 | 32.4 | 67.37 | 38.34 |
| 10015 | 89.19 | 194.27 | 25.5 | 138.26 | 51.95 |
| 25370 | 89.19 | 20.85 | 23 | 157.83 | 91.22 |
| 19825 | 89.09 | 103.75 | 47.68 | 357.69 | 161.41 |
| 2727 | 89.03 | 37.93 | 10.97 | 90.39 | 57.7 |
| 20744 | 89 | 1278.32 | 480.83 | 338.65 | 285.91 |

| TABLE 5J: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21848 | 95.38 | 508.36 | 72.43 | 299.78 | 75.97 |
| 4360 | 95.3 | 54.59 | 17.66 | 266.55 | 127.78 |
| 2539 | 95.23 | 218.65 | 96.22 | 29.3 | 38.24 |
| 3131 | 95.19 | 144.5 | 37.62 | 439.05 | 152.9 |
| 15069 | 94.9 | 202.3 | 65.8 | 908.6 | 378.42 |
| 15997 | 94.88 | 813.65 | 351.32 | 122.49 | 170.98 |
| 24249 | 94.85 | 180.01 | 39.13 | 1457.81 | 1262.86 |
| 8899 | 94.85 | 521.05 | 77.11 | 910.25 | 197.25 |
| 18686 | 94.76 | 1999.23 | 361.77 | 694.29 | 601.03 |
| 9423 | 94.62 | 1693.26 | 379.24 | 806.14 | 285.06 |
| 20714 | 94.43 | 1591.59 | 292.98 | 557.8 | 697.68 |
| 20999 | 94.42 | 35.6 | 7.8 | 83.78 | 30.94 |
| 11726 | 94.27 | 1003.07 | 424.2 | 129.34 | 152.94 |
| 1312 | 94.23 | 405.84 | 35.49 | 640.08 | 136.15 |
| 4003 | 94.2 | 65.49 | 22.78 | 179.63 | 79.96 |
| 23629 | 94.19 | 197.75 | 56.32 | 84.36 | 37.93 |
| 17720 | 94.11 | 208.32 | 37.5 | 118.42 | 31.87 |
| 13933 | 94.11 | 201.22 | 38.22 | 103.76 | 35.78 |
| 1431 | 94.02 | 95.78 | 34.77 | 435.85 | 187 |
| 15996 | 93.97 | 531.17 | 191.59 | 104.03 | 129.76 |
| 15599 | 93.96 | 390.65 | 46.86 | 644.66 | 140.56 |
| 17334 | 93.95 | 456.16 | 134.26 | 174.33 | 81.45 |
| 1973 | 93.91 | 202.65 | 40.97 | 393.37 | 105.86 |
| 7582 | 93.83 | 177.41 | 46.3 | 517.4 | 201.05 |
| 3548 | 93.79 | 21.78 | 11.09 | 80.61 | 29.95 |
| 20779 | 93.68 | 2353.04 | 350.51 | 1361.2 | 334.8 |
| 10918 | 93.63 | 334.12 | 78.88 | 160.07 | 58.07 |
| 11079 | 93.62 | 31.23 | 8.61 | 92.7 | 35.85 |
| 16450 | 93.52 | 68.54 | 24.67 | 250.64 | 90.74 |
| 7837 | 93.51 | 96.9 | 18.89 | 204.81 | 65.61 |
| 2911 | 93.44 | 463.75 | 153.15 | 1194.47 | 357.16 |
| 17468 | 93.43 | 362.22 | 49.8 | 563.99 | 115.19 |
| 19605 | 93.39 | 236.72 | 41.49 | 129.62 | 41.34 |
| 18727 | 93.25 | 1872.44 | 279.45 | 752.03 | 366.47 |
| 9776 | 93.25 | 1329.18 | 343.19 | 709.9 | 233.64 |
| 17506 | 93.13 | 399.01 | 349.67 | 28.06 | 50.99 |
| 16982 | 93.12 | 1641.85 | 437.99 | 322.65 | 457.76 |
| 15401 | 93.08 | 139.13 | 62.85 | 43.23 | 22.13 |
| 21842 | 93.04 | 83.37 | 32.47 | 568.46 | 292.58 |
| 8715 | 93.02 | 4368.81 | 1539.49 | 1535.24 | 565.09 |
| 18687 | 92.96 | 1938 | 349.18 | 648.4 | 576.75 |
| 5934 | 92.9 | 109.95 | 37.22 | 370.97 | 164.98 |
| 445 | 92.85 | 81.23 | 17.64 | 39.99 | 24.99 |
| 22378 | 92.8 | 21.7 | 19.29 | 100.06 | 39.37 |
| 17183 | 92.52 | 220.92 | 28.69 | 347.74 | 76.33 |
| 5952 | 92.44 | 481.14 | 170.63 | 103.14 | 98.67 |
| 9128 | 92.37 | 193.76 | 55.1 | 109.37 | 76.47 |
| 17897 | 92.26 | 206.99 | 46.02 | 459.28 | 132.2 |
| 15154 | 92.18 | 355.55 | 43.5 | 625.96 | 172.69 |
| 15127 | 92.1 | 1431.46 | 270.71 | 685.54 | 318.61 |
| 3132 | 92.08 | 178.13 | 64.77 | 40.93 | 76.63 |

| TABLE 5J: APAP | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1035 | 92.08 | 90.86 | 18.74 | 51.76 | 21.96 |
| 20931 | 92.07 | 131.65 | 49.32 | 437.75 | 215.84 |
| 20535 | 92.05 | 82.27 | 20.25 | 41.33 | 19.59 |
| 3550 | 92.02 | 192.11 | 39.27 | 351.28 | 89.88 |
| 2905 | 91.94 | 131.31 | 103.34 | 501.19 | 187.74 |
| 23029 | 91.89 | 39.51 | 115.3 | 776.06 | 454.6 |
| 11727 | 91.88 | 1387.25 | 554.3 | 171.64 | 201.37 |
| 20146 | 91.84 | 100.18 | 21.58 | 41.99 | 22.7 |
| 349 | 91.83 | 76.21 | 16.89 | 137.26 | 38.43 |
| 7225 | 91.73 | 158.31 | 57.84 | 345.4 | 93.41 |
| 22545 | 91.65 | 487.71 | 98.05 | 241.09 | 111.15 |
| 1561 | 91.57 | 533.29 | 93.86 | 876.61 | 221.12 |
| 23030 | 91.57 | 32.47 | 60.21 | 488.12 | 305.14 |
| 18061 | 91.54 | 63.5 | 15.19 | 111.67 | 24.77 |
| 18640 | 91.52 | 93.97 | 12.47 | 159.7 | 37.95 |
| 17564 | 91.46 | 799.28 | 131.94 | 489.7 | 134.27 |
| 25204 | 91.44 | 275.5 | 41.95 | 533.73 | 171.63 |
| 17686 | 91.38 | 1234.06 | 129.33 | 873.34 | 183.54 |
| 8438 | 91.32 | 30.88 | 12.98 | 94.84 | 45.18 |
| 13426 | 91.3 | 868.27 | 179.74 | 527.89 | 175.5 |
| 11191 | 91.29 | 152.66 | 125.54 | 1145.68 | 753.65 |
| 11728 | 91.26 | 1048.59 | 372.55 | 186.93 | 207.95 |
| 22233 | 91.25 | 245.66 | 47.06 | 427.41 | 105.58 |
| 2677 | 91.09 | 28.67 | 13.22 | 101.43 | 43.16 |
| 3049 | 91.07 | 216.8 | 50.58 | 121.87 | 39.4 |
| 28 | 91.06 | 329.84 | 89.88 | 809.54 | 265.09 |
| 13153 | 91.04 | 204.24 | 32.32 | 111.05 | 44.86 |
| 5141 | 91.04 | 199.59 | 65.6 | 868.17 | 506.8 |
| 22069 | 91.02 | 926.04 | 178.92 | 556.93 | 134.89 |
| 24825 | 90.99 | 2015.31 | 542.75 | 885.79 | 371.64 |
| 12958 | 90.98 | 465.55 | 109.67 | 1125.25 | 389.4 |
| 23471 | 90.9 | 300.86 | 191.26 | 46.32 | 58.59 |
| 21238 | 90.89 | 262.55 | 92.12 | 78.06 | 75.72 |
| 24321 | 90.88 | 378.08 | 87.67 | 805.06 | 259.5 |
| 23584 | 90.85 | 72.93 | 50.54 | 225.53 | 88.19 |
| 2196 | 90.85 | 475.7 | 94.08 | 970.3 | 286.38 |
| 16053 | 90.84 | 867.47 | 417.6 | 169.1 | 205.1 |
| 9963 | 90.84 | 305.4 | 108.64 | 758.64 | 298.32 |
| 1354 | 90.78 | 897.25 | 231.72 | 255.42 | 211.55 |
| 16767 | 90.77 | 1023.33 | 197.7 | 601.28 | 193.7 |
| 20743 | 90.69 | 73.83 | 19.39 | 140.92 | 37.81 |
| 17533 | 90.65 | 137.9 | 29.54 | 307.57 | 124.83 |
| 1314 | 90.61 | 250.56 | 16.13 | 189.08 | 45.84 |
| 15126 | 90.54 | 2755.14 | 656.25 | 1260.02 | 515.92 |
| 4014 | 90.53 | 29.98 | 16.06 | 76.9 | 27.09 |
| 13772 | 90.52 | 2130.68 | 696.4 | 939.46 | 240.21 |
| 14970 | 90.5 | 108.49 | 26.73 | 184.85 | 41.27 |
| 6430 | 90.46 | 158.8 | 50.82 | 43.64 | 67.82 |
| 16912 | 90.42 | 173.9 | 41.63 | 304.32 | 78.3 |
| 22352 | 90.42 | 650.9 | 404.48 | 104.75 | 168.64 |
| 10509 | 90.4 | 54.07 | 15.54 | 139.36 | 53.74 |

| TABLE 5J: APAP | | Attorney Docket 44921-5033-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15642 | 90.28 | 933.55 | 366.64 | 370.6 | 146.07 |
| 15995 | 90.12 | 532.08 | 290.02 | 97.66 | 144.67 |
| 18867 | 90.07 | 479.33 | 95.41 | 829.59 | 221.32 |
| 23523 | 90.03 | 376.94 | 68.02 | 196.62 | 97.12 |
| 17382 | 89.98 | 477.16 | 81.55 | 272.05 | 85.6 |
| 23202 | 89.94 | 53.47 | 15.57 | 123.82 | 39.39 |
| 16553 | 89.63 | 88.73 | 41.96 | 259.37 | 85.39 |
| 15926 | 89.61 | 302.73 | 67.86 | 591.59 | 206.5 |
| 23419 | 89.58 | 332.88 | 86.83 | 184.8 | 65.9 |
| 25460 | 89.52 | 308.59 | 100.83 | 1155.07 | 551.47 |
| 24219 | 89.5 | 783.08 | 189.05 | 376.58 | 184.34 |
| 25089 | 89.4 | 157.98 | 54.36 | 43.7 | 44.67 |
| 24161 | 89.38 | 285.34 | 35.11 | 461.88 | 124 |
| 23194 | 89.34 | 40.08 | 28.27 | 154.82 | 73.37 |
| 397 | 89.31 | 137.37 | 32.4 | 67.37 | 38.34 |
| 10015 | 89.19 | 194.27 | 25.5 | 138.26 | 51.95 |
| 25370 | 89.19 | 20.85 | 23 | 157.83 | 91.22 |
| 19825 | 89.09 | 103.75 | 47.68 | 357.69 | 161.41 |
| 20744 | 89 | 1278.32 | 480.83 | 338.65 | 285.91 |
| 17146 | 88.99 | 1203.52 | 205.72 | 741.13 | 218.45 |
| 20601 | 88.95 | 293.62 | 127.5 | 975.88 | 455.86 |
| 20803 | 88.93 | 128.85 | 31.9 | 287.85 | 114.04 |
| 20715 | 88.91 | 933.53 | 205.81 | 378.29 | 429.14 |
| 24469 | 88.87 | 428.61 | 53.02 | 624.31 | 199.9 |
| 17142 | 88.84 | 335.45 | 101.09 | 682.1 | 311.88 |
| 25090 | 88.81 | 182.14 | 60.84 | 55.78 | 40.81 |
| 16039 | 88.78 | 148.24 | 28.06 | 234.28 | 67.19 |
| 16150 | 88.78 | 1018.65 | 135.84 | 666.07 | 275.92 |
| 15850 | 88.74 | 1693.96 | 206.26 | 1233.68 | 296.7 |
| 16435 | 88.69 | 268.2 | 32.61 | 405.41 | 93.01 |
| 20802 | 88.65 | 59.03 | 16.12 | 131.83 | 60.95 |
| 1170 | 88.64 | 37.13 | 14.35 | 111.02 | 54.84 |
| 15124 | 88.56 | 2187.16 | 383.72 | 1342.17 | 439.53 |
| 135 | 88.5 | 142.27 | 46.38 | 308.32 | 109.39 |
| 15411 | 88.5 | 1076.59 | 202.15 | 505.39 | 318.31 |
| 17709 | 88.41 | 134.59 | 44.16 | 37.08 | 41.34 |
| 15409 | 88.39 | 1026.08 | 156.25 | 595.44 | 283.38 |
| 8898 | 88.39 | 546.72 | 63.98 | 812.4 | 181.75 |
| 23045 | 88.34 | 320.81 | 96.18 | 162.5 | 51.23 |
| 6109 | 88.14 | 2306.16 | 366.26 | 3603.1 | 2274.23 |
| 15848 | 88.11 | 1988.94 | 331.58 | 1323.98 | 344.79 |
| 14535 | 88.09 | 2696.56 | 633.51 | 3693.56 | 2372.98 |
| 15613 | 88.07 | 356.7 | 112.61 | 1189.15 | 811.04 |
| 25550 | 88.01 | 91.83 | 25.88 | 38.98 | 23.72 |
| 6478 | 88 | 2509.97 | 291.57 | 3243.65 | 1810.61 |

| TABLE 5K: AY-25329 | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15127 | 99.42 | 2228.57 | 144.07 | 690.17 | 319.67 |
| 25284 | 99.31 | 228.35 | 29.98 | 35.82 | 35.65 |
| 5493 | 99.23 | 334.45 | 20.49 | 53.8 | 62.92 |
| 18989 | 99.23 | 3688.22 | 218.96 | 1473.15 | 684.27 |
| 5492 | 99.13 | 333.55 | 35.59 | 35.74 | 61.59 |
| 20705 | 99.13 | 6053.85 | 567.01 | 1016.82 | 920.69 |
| 18401 | 99.02 | 1192.86 | 19.51 | 790.14 | 166.79 |
| 20703 | 99.02 | 2972.37 | 407.67 | 444.63 | 468.56 |
| 15124 | 98.97 | 3499.62 | 356.01 | 1346.55 | 436.48 |
| 6236 | 98.97 | 2654.19 | 311 | 945.78 | 402.83 |
| 1793 | 98.83 | 4009.12 | 413.32 | 1154.04 | 604.09 |
| 20704 | 98.76 | 5184.07 | 583.26 | 1296.29 | 830.46 |
| 6143 | 98.68 | 1556.68 | 119.85 | 818.9 | 449.94 |
| 12589 | 98.68 | 54.45 | 0.24 | 45.08 | 47.36 |
| 1794 | 98.68 | 8293.54 | 1002.09 | 2160.55 | 1242.66 |
| 1795 | 98.62 | 1864.31 | 162.88 | 530.41 | 369.76 |
| 15126 | 98.6 | 3088.46 | 202.44 | 1271.98 | 533.53 |
| 6735 | 98.54 | 146.66 | 2.51 | 99.87 | 41.4 |
| 3816 | 98.46 | 575.25 | 19.66 | 377.74 | 104.46 |
| 1797 | 98.38 | 5433.84 | 613.82 | 1788.63 | 1017.3 |
| 12155 | 98.38 | 3106.16 | 814.21 | 626.16 | 657.08 |
| 8661 | 98.36 | 94.12 | 31.74 | 26.77 | 156.77 |
| 20707 | 98.36 | 1648.89 | 164.54 | 603.99 | 295.97 |
| 25056 | 98.33 | 3664.54 | 860.18 | 928.86 | 704.24 |
| 12157 | 98.28 | 4167.9 | 1215.21 | 567.99 | 968.73 |
| 12156 | 98.2 | 3316.68 | 1192.33 | 495.67 | 848.47 |
| 1796 | 98.09 | 1014.79 | 217.2 | 236.88 | 176.87 |
| 6072 | 97.99 | 3160.03 | 286.02 | 1859.28 | 457.54 |
| 2424 | 97.91 | 1544.68 | 110.35 | 900.09 | 230.06 |
| 21957 | 97.88 | 127.91 | 1.18 | 172.94 | 52.7 |
| 17091 | 97.75 | 147.88 | 26.61 | 44.71 | 42.18 |
| 18027 | 97.72 | 104.69 | 21.33 | 48.98 | 32.44 |
| 7926 | 97.72 | 305.2 | 94.87 | 95.06 | 51.68 |
| 16703 | 97.7 | 1659.65 | 28.69 | 1168.22 | 385.13 |
| 22845 | 97.67 | 295.43 | 7.94 | 463.15 | 106.9 |
| 12447 | 97.64 | 134.56 | 6.18 | 63.62 | 36.34 |
| 1792 | 97.64 | 353.01 | 4.03 | 301.81 | 112.05 |
| 8872 | 97.51 | 1235.51 | 270.82 | 492.6 | 238.22 |
| 2615 | 97.43 | 119.21 | 3.95 | 203.42 | 60.45 |
| 2485 | 97.38 | 626.8 | 9.02 | 759.21 | 297.72 |
| 8864 | 97.22 | 127.38 | 6.48 | 51.24 | 84.26 |
| 25971 | 97.19 | 76.52 | 1.74 | 46.77 | 26.59 |
| 3438 | 97.17 | 33.8 | 0.49 | 39.49 | 24.65 |
| 15879 | 97.14 | 534.82 | 74.36 | 311.86 | 83.27 |
| 2158 | 97.14 | 228.23 | 4.29 | 156.69 | 90.9 |
| 2388 | 97.09 | 2352.96 | 69.04 | 1763.09 | 434.06 |
| 22595 | 97.09 | 822.73 | 9.6 | 1049.61 | 230.23 |
| 24860 | 97.09 | 1209.19 | 232.29 | 388.81 | 270.26 |
| 22953 | 97.03 | 625.19 | 120.94 | 213.93 | 156.52 |
| 53 | 96.95 | 22.21 | 9.24 | 73.81 | 42.08 |
| 1354 | 96.95 | 904.17 | 93.64 | 260.85 | 219.87 |

| TABLE 5K: AY-25329 | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| CLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14920 | 96.9 | 115.46 | 5.29 | 67.48 | 31.94 |
| 9134 | 96.8 | 547.75 | 6.48 | 473.17 | 107.45 |
| 22029 | 96.74 | 8985.65 | 220.77 | 5394.63 | 2937.83 |
| 17092 | 96.72 | 167.34 | 25.25 | 80.61 | 46.41 |
| 11460 | 96.72 | 107.73 | 9.37 | 58.97 | 21.11 |
| 21333 | 96.69 | 58.35 | 2.96 | 111.95 | 48.51 |
| 15125 | 96.69 | 3466.71 | 401.78 | 1645.24 | 618.38 |
| 17090 | 96.66 | 111.48 | 13.73 | 58.86 | 27.59 |
| 23841 | 96.66 | 173.22 | 10.42 | 56.48 | 71.45 |
| 17117 | 96.66 | 1570.77 | 153.81 | 989.37 | 208.99 |
| 12431 | 96.61 | 170.59 | 28.44 | 61.94 | 43.63 |
| 8527 | 96.58 | 197.98 | 8.97 | 160.89 | 177.77 |
| 25069 | 96.58 | 726.13 | 121.31 | 204.25 | 248.33 |
| 15624 | 96.5 | 24.53 | 1.97 | 56.66 | 35.08 |
| 25928 | 96.5 | 20.13 | 0.33 | 28.79 | 18.98 |
| 10866 | 96.48 | 153.28 | 8.06 | 85.81 | 55.37 |
| 11421 | 96.48 | 76.66 | 4.39 | 128.32 | 32.69 |
| 21040 | 96.42 | 913.88 | 236.02 | 119.95 | 264.13 |
| 9032 | 96.4 | 1070.64 | 184.86 | 604.13 | 157.41 |
| 2569 | 96.29 | 1540.05 | 243.21 | 906.42 | 289.22 |
| 1876 | 96.29 | 1169.52 | 64.93 | 772.73 | 202.56 |
| 12215 | 96.27 | 272.81 | 30.43 | 138.88 | 88.42 |
| 6831 | 96.21 | 20.07 | 3.08 | 52.79 | 25.33 |
| 8786 | 96.19 | 141.16 | 10.6 | 229.35 | 55.23 |
| 18743 | 96.16 | 353.17 | 6.9 | 472.54 | 107.63 |
| 18990 | 96.11 | 79.8 | 21.06 | 25.66 | 57.32 |
| 4092 | 96.11 | 460.95 | 11.87 | 315.11 | 136.65 |
| 3256 | 96.08 | 1715.15 | 296.85 | 1013.55 | 283.69 |
| 25983 | 96.08 | 75.31 | 10.51 | 24.27 | 24.4 |
| 23858 | 96.08 | 729.3 | 94.1 | 286.86 | 164.7 |
| 11723 | 96.05 | 242.62 | 9.63 | 143.45 | 53.85 |
| 8585 | 96 | 238.37 | 30.89 | 135.09 | 45.12 |
| 21903 | 95.97 | 2774.45 | 391.45 | 1523.7 | 485.8 |
| 10378 | 95.95 | 2209.01 | 144.3 | 1402.31 | 437.11 |
| 22052 | 95.92 | 586.5 | 22.4 | 369.09 | 139.42 |
| 24049 | 95.92 | 2558.45 | 263.29 | 1516.37 | 458.24 |
| 14297 | 95.9 | 343.47 | 4.84 | 288.02 | 57.25 |
| 3715 | 95.9 | 207 | 3.37 | 257.6 | 90.09 |
| 5009 | 95.87 | 533.12 | 22.64 | 388.12 | 90.32 |
| 16978 | 95.87 | 120.14 | 2.25 | 114.67 | 66.13 |
| 3645 | 95.84 | 260.54 | 14.22 | 175.63 | 43.58 |
| 24163 | 95.82 | 487.99 | 32.44 | 308.2 | 91.51 |
| 5602 | 95.79 | 341.78 | 27.21 | 207.49 | 212.86 |
| 4921 | 95.79 | 59.26 | 0.99 | 71.53 | 22.33 |
| 13846 | 95.76 | 60.41 | 3.72 | 34.2 | 16.92 |
| 8283 | 95.76 | 239.99 | 30.85 | 121.39 | 68.8 |
| 18653 | 95.74 | 86.56 | 7.76 | 34.8 | 29.33 |
| 15764 | 95.71 | 20.8 | 1.37 | 38.68 | 14.72 |
| 22884 | 95.71 | 326.93 | 43.15 | 196.01 | 48.72 |
| 14347 | 95.66 | 2728.93 | 149.87 | 1739.69 | 514.36 |
| 25281 | 95.55 | 244.98 | 20.56 | 154.17 | 48.94 |

| TABLE 5K: AY-25329 | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23321 | 95.55 | 327.32 | 12.23 | 237.81 | 65.16 |
| 25915 | 95.52 | 45.7 | 1.09 | 44.83 | 25.79 |
| 16320 | 95.44 | 53.3 | 3.71 | 99.66 | 32.58 |
| 1462 | 95.39 | 281.62 | 16.97 | 181.7 | 70.06 |
| 21730 | 95.37 | 372.89 | 41.43 | 219.01 | 74.61 |
| 25705 | 95.37 | 535.07 | 18.04 | 743.86 | 198.79 |
| 228 | 95.29 | 359.03 | 13.58 | 485.24 | 121.65 |
| 25400 | 95.26 | 3529.97 | 320.24 | 1669.82 | 936.33 |
| 20795 | 95.13 | 430.05 | 152.67 | 136.8 | 147.78 |
| 7040 | 95.1 | 58.53 | 1.59 | 44.91 | 24.17 |
| 4507 | 95.07 | 76.55 | 14.69 | 29.16 | 20.54 |
| 4011 | 94.84 | 3393.88 | 485.3 | 1814.62 | 677.43 |
| 21039 | 94.84 | 680.01 | 188.7 | 237.99 | 179.23 |
| 17332 | 94.81 | 42.21 | 0.75 | 51.04 | 26.82 |
| 21904 | 94.76 | 6107 | 612.37 | 2999.52 | 1590.33 |
| 15623 | 94.7 | 43.16 | 3.57 | 71.32 | 24.27 |
| 14925 | 94.7 | 304.2 | 4.07 | 323.51 | 105.18 |
| 634 | 94.68 | 2339.09 | 155.16 | 1531.8 | 420.57 |
| 18887 | 94.68 | 94.02 | 1.66 | 122.89 | 39.63 |
| 15154 | 94.6 | 425.17 | 21.92 | 623.52 | 173.98 |
| 21015 | 94.6 | 5326.56 | 750.73 | 2922.16 | 1044.87 |
| 17374 | 94.57 | 92.28 | 4.99 | 155.79 | 47.59 |
| 15848 | 94.52 | 2126.64 | 293.37 | 1329.33 | 349.48 |
| 18293 | 94.52 | 1589.45 | 35.1 | 1370.84 | 446.65 |
| 10097 | 94.49 | 63.75 | 2.56 | 98.75 | 30.52 |
| 25064 | 94.44 | 2030.03 | 389.13 | 1186.32 | 355.39 |
| 7635 | 94.39 | 100.8 | 2.18 | 127 | 27.75 |
| 20809 | 94.36 | 213.36 | 13.63 | 323 | 81.99 |
| 357 | 94.36 | 37.55 | 3.07 | 74.49 | 34.52 |
| 1426 | 94.33 | 70.81 | 14.26 | 134.5 | 35.86 |
| 24577 | 94.31 | 952.7 | 15.76 | 910.16 | 233.77 |
| 17154 | 94.28 | 292.65 | 22.71 | 188.41 | 79.48 |
| 20864 | 94.23 | 897.32 | 188.21 | 470.37 | 380.66 |
| 14633 | 94.23 | 2097.19 | 131.15 | 1235.8 | 503.81 |
| 20872 | 94.23 | 777.77 | 8.65 | 764.65 | 263.84 |
| 25468 | 94.2 | 3173.3 | 126.12 | 2322.64 | 1103.63 |
| 19942 | 94.15 | 95.56 | 6.27 | 145.09 | 54.11 |
| 15134 | 94.15 | 399.35 | 71.1 | 736.3 | 183.22 |
| 8984 | 94.12 | 137.4 | 2.65 | 180.76 | 59.27 |
| 15384 | 94.12 | 42.75 | 1.45 | 33.76 | 18.34 |
| 11153 | 94.01 | 361.07 | 30.29 | 632.71 | 202.42 |
| 19433 | 94.01 | 313.24 | 91.01 | 107.04 | 118.97 |
| 762 | 93.94 | 2847.63 | 424.59 | 1602.04 | 597.28 |
| 17601 | 93.88 | 40.2 | 11.03 | 102.49 | 39.9 |
| 20404 | 93.78 | 101.9 | 8.52 | 205.37 | 111.49 |
| 4395 | 93.78 | 67.76 | 1.4 | 78.17 | 27.52 |
| 17292 | 93.7 | 878.24 | 18.69 | 750.92 | 249.73 |
| 25287 | 93.67 | 154.8 | 19.65 | 83.01 | 45.51 |
| 15638 | 93.64 | 30.48 | 2.51 | 37.68 | 26.23 |
| 20778 | 93.62 | 45.5 | 5.31 | 74.1 | 18.66 |
| 70 | 93.62 | 281.42 | 35.86 | 472.99 | 143.44 |

| TABLE 5K: AY-25329 | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1698 | 93.59 | 431.04 | 110.73 | 210.49 | 212.86 |
| 16604 | 93.56 | 40.05 | 7.29 | 85.4 | 33.96 |
| 15668 | 93.51 | 102.01 | 6.44 | 82.54 | 66.01 |
| 6127 | 93.49 | 23.69 | 1.27 | 40.44 | 19.63 |

| TABLE 5L: AY-25329 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9128 | 99.47 | 354.27 | 42.02 | 109.61 | 75.79 |
| 20705 | 99.44 | 3201.5 | 243.39 | 1021.71 | 943.21 |
| 489 | 99.28 | 888.37 | 258.13 | 34.02 | 347.52 |
| 488 | 99.21 | 2923.89 | 441.22 | 140.43 | 726.58 |
| 6072 | 99.13 | 3706.97 | 408.43 | 1857.14 | 451.4 |
| 6071 | 99.07 | 530.75 | 42.79 | 251.17 | 84.27 |
| 20704 | 98.99 | 3555.4 | 254.22 | 1298.54 | 842 |
| 14737 | 98.94 | 3684.86 | 157.18 | 2006.22 | 547.49 |
| 14738 | 98.81 | 2448.85 | 138.8 | 1327.41 | 357.13 |
| 23449 | 98.68 | 4318.09 | 803.01 | 841.75 | 681.45 |
| 20703 | 98.65 | 1366.26 | 204.31 | 447.55 | 480.77 |
| 15644 | 98.62 | 1914.02 | 51.4 | 1368.69 | 389.22 |
| 1920 | 98.57 | 1514.84 | 112.1 | 439.47 | 265.88 |
| 7281 | 98.49 | 441.53 | 30.85 | 227.7 | 69.99 |
| 1794 | 98.46 | 6517.83 | 730.04 | 2162.01 | 1254.96 |
| 23448 | 98.41 | 4428.17 | 561.92 | 1081.77 | 848.31 |
| 9423 | 98.33 | 1313.51 | 45.22 | 814.2 | 299.43 |
| 13799 | 98.3 | 269.31 | 22.75 | 137.57 | 53.16 |
| 21913 | 98.17 | 211.98 | 28.07 | 105.73 | 26.92 |
| 1321 | 98.17 | 2755.45 | 228.85 | 899.36 | 612.89 |
| 356 | 98.07 | 272.75 | 15.73 | 145.76 | 65.24 |
| 1793 | 98.04 | 2716.62 | 269.59 | 1155.95 | 613.23 |
| 15190 | 98.01 | 5333.96 | 243.78 | 1831.66 | 1709.47 |
| 22586 | 98.01 | 126.81 | 110.11 | 4599.4 | 3587.54 |
| 12157 | 97.96 | 3316.91 | 1174.06 | 568.34 | 972.53 |
| 17091 | 97.93 | 99.36 | 8.07 | 44.78 | 42.37 |
| 16510 | 97.93 | 72.27 | 14.75 | 249.9 | 104 |
| 64 | 97.93 | 58.28 | 4.48 | 134.7 | 44.1 |
| 12155 | 97.75 | 2255.34 | 580.1 | 627.1 | 662.06 |
| 4133 | 97.72 | 221.29 | 5.17 | 375.25 | 112.42 |
| 1921 | 97.72 | 761.61 | 85.23 | 214.16 | 166.19 |
| 575 | 97.62 | 1703.39 | 109.13 | 903.24 | 308.03 |
| 23033 | 97.56 | 627.74 | 74.47 | 352.44 | 93.47 |
| 15189 | 97.56 | 4996.27 | 266.45 | 1653.47 | 1657.25 |
| 1919 | 97.54 | 697.95 | 65.39 | 244.03 | 183.41 |
| 20735 | 97.51 | 264.65 | 8.18 | 189.71 | 132.57 |
| 9079 | 97.51 | 205.9 | 4.58 | 313.27 | 94.32 |
| 2433 | 97.51 | 226.62 | 18.26 | 113.14 | 41.11 |
| 6236 | 97.46 | 2164.72 | 282.46 | 946.17 | 405.7 |
| 23243 | 97.3 | 4622.23 | 852.78 | 1788.3 | 771.99 |
| 21816 | 97.24 | 1775.09 | 46.91 | 1249.95 | 296.97 |
| 2354 | 97.22 | 1555.17 | 146.52 | 817.04 | 288.67 |
| 20088 | 97.22 | 104.24 | 3.39 | 167.16 | 48.53 |
| 22534 | 97.19 | 840.23 | 23.19 | 594.77 | 144.69 |
| 15879 | 97.11 | 504.41 | 53.68 | 311.82 | 83.36 |
| 15125 | 97.11 | 3095.98 | 168.95 | 1645.26 | 619.88 |
| 16035 | 97.09 | 32.98 | 3.75 | 90.85 | 50.8 |
| 8431 | 97.09 | 230.01 | 37.66 | 55.45 | 66.1 |
| 15126 | 97.06 | 2208.98 | 97.12 | 1273.35 | 538.07 |
| 11708 | 97.03 | 1694.02 | 180.11 | 978.63 | 234.58 |
| 15191 | 97.03 | 3612.61 | 253.19 | 1215.55 | 1328.85 |

| TABLE 5L: AY-25329 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935328.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15987 | 97.01 | 78.64 | 11.66 | 24.96 | 42.42 |
| 15124 | 96.98 | 2553.15 | 198.61 | 1347.91 | 443.51 |
| 15345 | 96.95 | 1782.76 | 299.77 | 832.98 | 257.16 |
| 1948 | 96.95 | 152.71 | 7.19 | 79.69 | 36.81 |
| 1795 | 96.87 | 1240.44 | 162.86 | 531.36 | 373.12 |
| 22915 | 96.82 | 36.91 | 15.81 | 141.39 | 44.62 |
| 5256 | 96.77 | 239.34 | 42.68 | 101.68 | 89.68 |
| 3992 | 96.77 | 26.46 | 4.15 | 68.95 | 27.2 |
| 24163 | 96.74 | 497.01 | 27.55 | 308.08 | 91.39 |
| 2424 | 96.74 | 1416.71 | 86.6 | 900.09 | 230.5 |
| 20778 | 96.66 | 40.64 | 3.88 | 74.13 | 18.63 |
| 19992 | 96.63 | 1133.83 | 152.45 | 621.66 | 217.65 |
| 6818 | 96.61 | 124.34 | 8.18 | 238.82 | 93.04 |
| 10103 | 96.53 | 119.82 | 6.2 | 57.12 | 76.56 |
| 23515 | 96.53 | 724.13 | 80.66 | 373.87 | 140.93 |
| 23612 | 96.5 | 574.24 | 70.51 | 265.12 | 127.38 |
| 3302 | 96.48 | 430.31 | 30.27 | 260.84 | 89.7 |
| 21040 | 96.42 | 748.42 | 128.02 | 119.97 | 264.85 |
| 19938 | 96.37 | 293.4 | 22.26 | 195.14 | 71.92 |
| 16496 | 96.37 | 2002.91 | 149.55 | 1211.65 | 377.99 |
| 19605 | 96.37 | 243.38 | 36.21 | 130.46 | 42.38 |
| 5684 | 96.29 | 968.45 | 82.18 | 582.25 | 147.54 |
| 23874 | 96.24 | 493.22 | 89.22 | 212.22 | 98.87 |
| 8817 | 96.21 | 469.05 | 35.86 | 797.12 | 193.58 |
| 21762 | 96.18 | 766.55 | 74.41 | 468.92 | 127.23 |
| 12463 | 96.16 | 498.89 | 21.07 | 377.4 | 75.38 |
| 14911 | 96.16 | 200.29 | 22.98 | 88.86 | 54.9 |
| 13502 | 96.16 | 487.93 | 66.37 | 213.32 | 112.66 |
| 3217 | 96.13 | 53.75 | 5.13 | 96.67 | 26.26 |
| 23858 | 96.13 | 771.81 | 122.42 | 286.51 | 164.06 |
| 2242 | 96.05 | 4820.85 | 661.18 | 2424.41 | 876.55 |
| 22197 | 96.03 | 243.97 | 19.63 | 156.48 | 86.62 |
| 19783 | 96 | 508.73 | 7.91 | 410.49 | 86.46 |
| 17434 | 96 | 359.64 | 67.08 | 212.43 | 57.23 |
| 9424 | 95.95 | 1643.78 | 131.3 | 1012.39 | 382.55 |
| 5559 | 95.92 | 101.65 | 12.71 | 198.62 | 64.73 |
| 5990 | 95.92 | 528.1 | 22.61 | 375.35 | 94.99 |
| 17401 | 95.92 | 145.2 | 12.12 | 433.88 | 217.58 |
| 17506 | 95.84 | 111.78 | 36.48 | 31.77 | 72.35 |
| 3233 | 95.84 | 586.97 | 94.81 | 337.94 | 94.29 |
| 9514 | 95.81 | 1514.1 | 190.78 | 935.64 | 220.23 |
| 22452 | 95.81 | 1306.31 | 389.36 | 397.26 | 335.32 |
| 18175 | 95.79 | 293.68 | 29.21 | 497.94 | 119.39 |
| 14210 | 95.79 | 218.57 | 22.71 | 89.51 | 68.23 |
| 9368 | 95.76 | 106.87 | 9.31 | 30.43 | 49.97 |
| 25855 | 95.73 | 149.27 | 6.06 | 98.06 | 38.68 |
| 14496 | 95.71 | 755.44 | 10.71 | 637.87 | 82.45 |
| 7639 | 95.68 | 400.04 | 39.23 | 276.76 | 69.01 |
| 15127 | 95.63 | 1368.84 | 119.03 | 691.63 | 325.64 |
| 20914 | 95.6 | 743.91 | 261.17 | 235.09 | 310.38 |
| 1797 | 95.44 | 4188.13 | 826.41 | 1789.99 | 1023.48 |

| TABLE 5L: AY-25329 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14621 | 95.28 | 107.41 | 1.84 | 142.85 | 46.25 |
| 12060 | 95.26 | 47.87 | 5.63 | 91.21 | 25.83 |
| 23045 | 95.15 | 255.48 | 37.5 | 163.93 | 54.17 |
| 19949 | 95.12 | 86.53 | 7.05 | 146.55 | 42.94 |
| 19222 | 95.02 | 768.75 | 33.94 | 1019.28 | 177.86 |
| 5497 | 94.97 | 1000.21 | 88.11 | 641.4 | 187.79 |
| 4234 | 94.83 | 956.41 | 63.22 | 615.37 | 298.73 |
| 19096 | 94.73 | 57.63 | 0.95 | 64.45 | 22.13 |
| 1796 | 94.54 | 443.71 | 62.76 | 237.98 | 180.37 |
| 956 | 94.44 | 484.92 | 70.09 | 300.84 | 128.26 |
| 17090 | 94.41 | 80.3 | 3.64 | 58.91 | 27.69 |
| 18445 | 94.38 | 98.13 | 13.98 | 189.24 | 73.89 |
| 6672 | 94.33 | 39.25 | 4.79 | 77.99 | 25.44 |
| 1958 | 94.33 | 4985.87 | 190.85 | 3317.83 | 1944.19 |
| 24352 | 94.3 | 27.75 | 0.9 | 33.04 | 14.34 |
| 1159 | 94.28 | 162.39 | 10.62 | 275.08 | 107.56 |
| 5033 | 94.2 | 265.2 | 27.03 | 515.49 | 286.9 |
| 24670 | 94.09 | 360.02 | 26.89 | 541.68 | 137.35 |
| 17740 | 94.04 | 3427.99 | 98.34 | 2194.96 | 956.73 |
| 21980 | 93.99 | 274.05 | 41.72 | 506.75 | 162.58 |
| 24458 | 93.91 | 449.26 | 21.59 | 632.05 | 154.86 |
| 23044 | 93.77 | 227.6 | 25.98 | 152.95 | 56.53 |
| 7148 | 93.64 | 92.3 | 2.5 | 130.59 | 42.98 |
| 18727 | 93.61 | 1447.97 | 123.12 | 762.06 | 381.99 |
| 2831 | 93.59 | 148.13 | 13.47 | 250.71 | 82.13 |
| 1373 | 93.35 | 38.34 | 1.94 | 53.32 | 15.94 |
| 17147 | 93.35 | 4539.57 | 228.13 | 3208.13 | 1955.57 |
| 24767 | 93.32 | 42.13 | 12.79 | 114.61 | 46.62 |
| 17324 | 93.3 | 227.18 | 24.03 | 378.67 | 117.83 |
| 18327 | 93.27 | 70.58 | 4.34 | 44.61 | 27.29 |
| 15274 | 93.27 | 53.53 | 2.94 | 83.66 | 27.09 |
| 957 | 93.27 | 161 | 30.32 | 95.4 | 47.09 |
| 108 | 93.22 | 2715.08 | 78.41 | 2174.3 | 1124.52 |
| 16135 | 93.22 | 5731.84 | 306.06 | 3557.47 | 2538.5 |
| 18452 | 93.16 | 687.01 | 47.14 | 1064.64 | 458.5 |
| 15350 | 93.16 | 111.88 | 7.38 | 75.02 | 26.83 |
| 173 | 93.16 | 245.25 | 41.89 | 111.96 | 81.02 |
| 18453 | 93.08 | 279.46 | 51.57 | 643.35 | 266.26 |
| 20700 | 93.08 | 4284.73 | 215.51 | 2940.59 | 1598.61 |
| 19252 | 93.06 | 305.86 | 24.24 | 520.6 | 190.14 |
| 20649 | 93.03 | 2181.55 | 127.02 | 1502.46 | 431.12 |
| 21098 | 93 | 1700.79 | 105.75 | 1149.43 | 542.04 |
| 18578 | 92.98 | 64.81 | 8.07 | 167.96 | 106.35 |
| 24657 | 92.95 | 23.96 | 5.89 | 70.07 | 35.01 |
| 11966 | 92.95 | 178.44 | 20.12 | 295.19 | 95.81 |
| 15447 | 92.9 | 292.34 | 6.2 | 267.86 | 68.16 |
| 18564 | 92.87 | 235.49 | 30.58 | 382 | 97.18 |
| 811 | 92.85 | 517.78 | 35.52 | 676.64 | 149.1 |
| 9905 | 92.85 | 465.99 | 40.53 | 647.58 | 151.46 |
| 20919 | 92.79 | 250.19 | 34.31 | 498.34 | 222.82 |
| 16730 | 92.77 | 44.05 | 4.89 | 24.97 | 25.22 |

| TABLE 5L: AY-23329 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935323.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23322 | 92.74 | 531.73 | 9.16 | 556.05 | 147.05 |
| 15492 | 92.71 | 194.3 | 8.2 | 296.79 | 115.29 |
| 7936 | 92.69 | 26.7 | 5.75 | 53.19 | 17.83 |
| 13186 | 92.66 | 145.03 | 24.68 | 77.59 | 34.26 |
| 19254 | 92.63 | 78.8 | 16.8 | 163.36 | 70.41 |
| 16180 | 92.63 | 313.11 | 16.24 | 447.96 | 132.57 |
| 4314 | 92.58 | 581.98 | 18.89 | 454.57 | 118.14 |

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

TABLE 5M: BI-LIVER TOXIN
Timepoint(s): 168, 336 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 573 | 99.95 | 40.86 | 31.26 | 896.05 | 342.76 |
| 16426 | 98.73 | 153.28 | 10.91 | 404.41 | 119.86 |
| 683 | 98.65 | 732.58 | 101.14 | 160.15 | 123.07 |
| 4866 | 98.44 | 58.74 | 24.69 | 413.23 | 406.15 |
| 1479 | 98.44 | 97 | 8.07 | 297 | 94.77 |
| 1793 | 98.22 | 2741.37 | 246.03 | 1154.2 | 611.17 |
| 17080 | 98.06 | 194.31 | 9.79 | 345.18 | 88.83 |
| 12020 | 98.01 | 452.18 | 77.57 | 162.92 | 68.1 |
| 12019 | 97.77 | 93.8 | 25.49 | 21.69 | 15.35 |
| 24860 | 97.72 | 1100.32 | 127.02 | 387.9 | 269.7 |
| 4312 | 97.69 | 416.83 | 132.18 | 62.43 | 149.23 |
| 1478 | 97.69 | 163.67 | 14.87 | 424.08 | 118.96 |
| 12682 | 97.67 | 79.05 | 63.79 | 1008.14 | 481.85 |
| 15113 | 97.61 | 886.3 | 53.03 | 518.37 | 152.87 |
| 1794 | 97.56 | 5751.39 | 941.37 | 2160.23 | 1255.94 |
| 16427 | 97.37 | 62.04 | 13.17 | 223.4 | 81.87 |
| 6155 | 97.24 | 105.36 | 15.91 | 275.91 | 110.92 |
| 21595 | 97.19 | 169.42 | 60.29 | 32.1 | 37.43 |
| 17506 | 97.11 | 105.56 | 21.71 | 31.71 | 72.38 |
| 16781 | 97 | 565.92 | 57.82 | 328.2 | 126.03 |
| 15571 | 96.95 | 20.98 | 7.92 | 136.96 | 374.13 |
| 17281 | 96.87 | 330.14 | 29.37 | 629.22 | 191.57 |
| 16448 | 96.82 | 47.05 | 13.47 | 130.14 | 47.67 |
| 21968 | 96.82 | 292.73 | 48.83 | 154.3 | 63.34 |
| 11692 | 96.79 | 168.31 | 21.93 | 65.64 | 96.66 |
| 23711 | 96.66 | 388.27 | 76.76 | 182.86 | 279.42 |
| 13157 | 96.55 | 165.11 | 70.49 | 40.42 | 48.73 |
| 26150 | 96.42 | 59.8 | 68.6 | 955.38 | 761.82 |
| 1955 | 96.37 | 183.79 | 59.05 | 62.73 | 35.45 |
| 17703 | 96.34 | 199.28 | 17.25 | 346.38 | 81.49 |
| 18726 | 96.31 | 145.27 | 29.51 | 363.35 | 114.96 |
| 17079 | 96.29 | 549.49 | 52.57 | 871.34 | 166.2 |
| 1796 | 96.21 | 614.82 | 119 | 237.13 | 179.21 |
| 22824 | 95.86 | 115.71 | 17.87 | 214.57 | 55.96 |
| 8789 | 95.84 | 288.79 | 19.27 | 182.49 | 76.4 |
| 10529 | 95.84 | 22.39 | 8.22 | 110.84 | 49.73 |
| 22717 | 95.54 | 53.38 | 5.07 | 101.61 | 46.15 |
| 3661 | 95.52 | 396.98 | 37.77 | 200.82 | 83.43 |
| 12192 | 95.36 | 112.15 | 9.74 | 192.87 | 52.01 |
| 43 | 95.36 | 234.98 | 30.93 | 435.92 | 131.44 |
| 21096 | 95.33 | 747.69 | 161.69 | 336.73 | 153.67 |
| 15136 | 95.2 | 766.5 | 28.26 | 587.64 | 293.81 |
| 11691 | 95.17 | 226.18 | 31.73 | 108.8 | 93.44 |
| 23124 | 95.12 | 130.25 | 6.37 | 186.38 | 39.6 |
| 13614 | 95.04 | 385.95 | 29.07 | 250.5 | 68.34 |
| 20703 | 94.96 | 882.77 | 200.77 | 448.37 | 482.57 |
| 14191 | 94.96 | 118.67 | 10.17 | 68.02 | 26.33 |
| 23646 | 94.77 | 204.69 | 32.38 | 82.51 | 67.31 |
| 5874 | 94.72 | 59.69 | 5.38 | 120.67 | 51.45 |
| 6156 | 94.54 | 40.08 | 6.35 | 92.59 | 64.24 |
| 19443 | 94.48 | 599.96 | 202.12 | 1369.67 | 434.97 |

Attorney Docket 44921-5098-01-WO
Document No. 1935828.1

TABLE 5M: BI-LIVER TOXIN
Timepoint(s): 168, 336 hrs

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 21827 | 94.46 | 121.26 | 4.76 | 164.02 | 37.74 |
| 1246 | 94.43 | 47.88 | 3.7 | 78.25 | 30.44 |
| 19706 | 94.38 | 67.48 | 10.13 | 30.13 | 19.71 |
| 22586 | 94.35 | 11500 | 1785.98 | 4561.91 | 3570.54 |
| 853 | 94.32 | 298.53 | 14.59 | 456.77 | 239.61 |
| 15515 | 94.3 | 616.43 | 45 | 455.34 | 83.14 |
| 7554 | 94.24 | 82.53 | 10.47 | 143.28 | 40.01 |
| 21054 | 94.16 | 177.38 | 38.97 | 516.87 | 208.34 |
| 7362 | 94.14 | 1466.72 | 176.62 | 935.59 | 278.87 |
| 16926 | 94.08 | 120.09 | 28.97 | 305.29 | 126.98 |
| 16854 | 94.08 | 112.58 | 12.71 | 169.83 | 38.85 |
| 24310 | 94.06 | 38.51 | 18.25 | 110.27 | 39.56 |
| 15125 | 94.03 | 2727.66 | 290.06 | 1645.09 | 621.03 |
| 15408 | 93.98 | 397.6 | 32.86 | 292.17 | 165.3 |
| 8068 | 93.98 | 363.5 | 56.52 | 191.57 | 92.17 |
| 13574 | 93.95 | 143.06 | 26.21 | 306.76 | 94.04 |
| 20707 | 93.9 | 1207.87 | 255.58 | 603.97 | 297.55 |
| 17566 | 93.85 | 1835.92 | 249.26 | 1057.65 | 368.46 |
| 3775 | 93.71 | 39.87 | 3.85 | 69.47 | 27.56 |
| 6968 | 93.69 | 266.85 | 15.02 | 192.93 | 49.28 |
| 1870 | 93.69 | 106.51 | 12.85 | 61.12 | 25.81 |
| 17880 | 93.63 | 83.82 | 5.38 | 125.89 | 29.74 |
| 1869 | 93.61 | 1814.7 | 97.21 | 1264.22 | 350.08 |
| 15126 | 93.58 | 2125.79 | 222.7 | 1272.66 | 537.88 |
| 16435 | 93.55 | 535.9 | 24.83 | 403.47 | 93.45 |
| 18301 | 93.55 | 30.49 | 13.9 | 148.39 | 94.64 |
| 5923 | 93.55 | 372.72 | 61.68 | 221.24 | 74.81 |
| 18719 | 93.53 | 2406.44 | 389.84 | 1329.6 | 500.92 |
| 7635 | 93.45 | 92.29 | 4.51 | 127.07 | 27.72 |
| 14878 | 93.45 | 71.05 | 13.17 | 33.95 | 36.99 |
| 13930 | 93.42 | 228.98 | 25.24 | 147.37 | 105.93 |
| 22931 | 93.42 | 28.54 | 5.42 | 138.83 | 97.26 |
| 13634 | 93.4 | 1490.75 | 94.57 | 1118.76 | 357.13 |
| 10573 | 93.4 | 140.75 | 13.55 | 83.18 | 45.09 |
| 1868 | 93.4 | 1409.6 | 212.41 | 857.15 | 256.97 |
| 20187 | 93.34 | 43.66 | 3.42 | 24.85 | 15.54 |
| 23183 | 93.34 | 397.93 | 109.57 | 215.41 | 90.85 |
| 20877 | 93.34 | 116.54 | 19.27 | 472.07 | 285.13 |
| 7860 | 93.32 | 66.89 | 9.08 | 31.98 | 26.02 |
| 4254 | 93.29 | 4223.17 | 314.23 | 4012.97 | 2554.86 |
| 18522 | 93.29 | 333.1 | 12.28 | 429.43 | 125.27 |
| 11830 | 93.26 | 835.12 | 63.14 | 624.63 | 257.61 |
| 15239 | 93.26 | 808.08 | 44.68 | 627.88 | 245.95 |
| 6555 | 93.21 | 171.29 | 12.58 | 253.74 | 68.64 |
| 5350 | 93.18 | 267.65 | 12.75 | 380.08 | 99.71 |
| 17248 | 93.18 | 2233.53 | 133.45 | 1660.21 | 362.81 |
| 11115 | 93.18 | 1719.57 | 222.6 | 648.09 | 564.18 |
| 21623 | 93.13 | 1132.98 | 45.92 | 1504.15 | 337.39 |
| 17171 | 93.13 | 497.76 | 71.39 | 284.97 | 175.87 |
| 20913 | 93.05 | 78.46 | 17.25 | 273.01 | 346.8 |
| 15127 | 93.02 | 1302.98 | 314.69 | 691.16 | 325.11 |

| TABLE 5M: BILIVER TOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 168, 336 hrs | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18989 | 92.94 | 1976.87 | 94.38 | 1475.98 | 691.72 |
| 24362 | 92.92 | 2871.6 | 340.5 | 2973.44 | 1815.27 |
| 17078 | 92.89 | 322.6 | 20.8 | 456.1 | 100.23 |
| 1914 | 92.68 | 45.51 | 7.36 | 85.31 | 36.53 |
| 12193 | 92.63 | 87.72 | 8.03 | 128.41 | 28.16 |
| 22538 | 92.57 | 325.88 | 11.61 | 259.15 | 77.22 |
| 1409 | 92.57 | 264.92 | 29.36 | 411.46 | 113.92 |
| 20789 | 92.49 | 443.55 | 35.85 | 673.38 | 228.8 |
| 25594 | 92.36 | 195.12 | 16.73 | 283.13 | 61.84 |
| 8106 | 92.31 | 46.2 | 6.91 | 79.31 | 24.08 |
| 13575 | 92.25 | 41.04 | 12.78 | 113.51 | 48.31 |
| 15017 | 92.23 | 4420.78 | 385.43 | 3977.04 | 2711.34 |
| 1508 | 92.2 | 1839.25 | 77.24 | 1367.43 | 415.42 |
| 19085 | 92.07 | 122.42 | 12.52 | 86.69 | 46.54 |
| 17785 | 92.02 | 4816.04 | 469.15 | 4272.22 | 3218.5 |
| 4212 | 91.99 | 4273.88 | 388.33 | 4064.69 | 2676.34 |
| 24535 | 91.96 | 373.56 | 42.75 | 609.46 | 205.83 |
| 794 | 91.94 | 598.14 | 61.95 | 802.79 | 228.92 |
| 635 | 91.94 | 2286.92 | 135.12 | 1571.58 | 485.76 |
| 20865 | 91.86 | 149.14 | 21.8 | 89.57 | 95.24 |
| 32 | 91.83 | 193.62 | 23.56 | 297.56 | 83.27 |
| 23710 | 91.78 | 76.45 | 17.06 | 41.87 | 130.93 |
| 16217 | 91.75 | 276.74 | 36.95 | 451.44 | 151.46 |
| 11116 | 91.72 | 2683.93 | 361.98 | 958.83 | 1094.24 |
| 25469 | 91.72 | 542.02 | 229.71 | 1632.97 | 751.8 |
| 16274 | 91.7 | 4187.52 | 545.38 | 4094.62 | 2902.22 |
| 25559 | 91.64 | 28.16 | 10.89 | 72.69 | 33.49 |
| 109 | 91.54 | 4415.15 | 298 | 3931.89 | 2216.92 |
| 19256 | 91.54 | 193.36 | 30.87 | 366.45 | 141.56 |
| 16305 | 91.54 | 1718.66 | 238.74 | 1142.91 | 358.01 |
| 24537 | 91.51 | 674.81 | 25.86 | 844.92 | 185.9 |
| 1854 | 91.41 | 3230.9 | 479.06 | 1970.86 | 958.83 |
| 17922 | 91.38 | 95.48 | 13.42 | 42.97 | 59.39 |
| 26029 | 91.3 | 25.39 | 3.26 | 198.84 | 331.87 |
| 6109 | 91.19 | 3670.01 | 391.99 | 3589.09 | 2270.45 |
| 17109 | 91.11 | 5260.98 | 737.76 | 4958.78 | 4395.68 |
| 1850 | 91.03 | 3844.53 | 525.52 | 2465.64 | 1105.37 |
| 23709 | 91.03 | 266.31 | 39.91 | 177.19 | 250.67 |
| 16221 | 90.9 | 33.13 | 3.91 | 63.17 | 27.99 |
| 20182 | 90.8 | 77.53 | 3.31 | 60.98 | 28.55 |

| TABLE SN: EICALUTAMIDE | | | | | |
|----------------------------------|-----------|----------|---------|-------------|-----------|
| Attorney Docket 44921-5033-01-WO | | | | | |
| Timepoint(s): 6, 24, 168 hrs | | | | | |
| Document No. 1935828.1 | | | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1794 | 94.05 | 7427.84 | 2543.95 | 2137.17 | 1182.95 |
| 1793 | 93.79 | 3555.66 | 1202.78 | 1143.5 | 578.82 |
| 1795 | 93.25 | 1877.82 | 801.13 | 523.93 | 352.85 |
| 3121 | 92.34 | 1223.64 | 178.94 | 815.66 | 248.41 |
| 15879 | 91.94 | 423.59 | 48.33 | 311.56 | 83.55 |
| 20707 | 91.2 | 1302.5 | 270.68 | 601.38 | 294.17 |
| 6072 | 90.71 | 2568.8 | 273.68 | 1857.14 | 458.38 |
| 18719 | 90.49 | 2528.93 | 425.29 | 1325.32 | 495.38 |
| 15124 | 89.87 | 2184.68 | 296.87 | 1345.33 | 442.81 |
| 21015 | 89.57 | 4631.18 | 764.51 | 2915.46 | 1042.21 |
| 12300 | 89.05 | 5118.84 | 928.66 | 2842.92 | 1160.02 |
| 22030 | 88.82 | 13466.57 | 1801.84 | 8082.94 | 4246.36 |
| 5907 | 88.66 | 480.37 | 34 | 376.69 | 94.25 |
| 17541 | 88.44 | 2661.26 | 403.65 | 1623.43 | 636.28 |
| 7892 | 88.12 | 1071.22 | 69.29 | 821.81 | 218.52 |
| 18728 | 88.11 | 68.19 | 10.19 | 99.31 | 24.37 |
| 15987 | 87.82 | 60.44 | 22.33 | 24.85 | 42.46 |
| 1623 | 87.73 | 24.55 | 3.22 | 39.49 | 15.06 |
| 15107 | 87.63 | 7407.83 | 1006.58 | 3915.34 | 2637.96 |
| 7881 | 87.51 | 1548.39 | 310.74 | 935.03 | 347.66 |
| 24229 | 87.35 | 4789.35 | 635.23 | 2973.05 | 1208.82 |
| 7891 | 87.27 | 261.97 | 35.47 | 166.08 | 65.8 |
| 7460 | 87.17 | 15045.77 | 2149.01 | 8304.35 | 5705.98 |
| 17408 | 87.12 | 2263.76 | 190.08 | 1667.19 | 515.83 |
| 10893 | 87.03 | 1661.61 | 341.83 | 766.67 | 545.96 |
| 3406 | 87 | 272.48 | 56.72 | 167.79 | 62.48 |
| 25400 | 86.99 | 2864.27 | 395.4 | 1665.52 | 936.78 |
| 18989 | 86.96 | 2768.68 | 658.79 | 1468.9 | 683.07 |
| 15211 | 86.84 | 625.27 | 52.85 | 458.35 | 139.66 |
| 2970 | 86.84 | 4173.45 | 739.92 | 2286.92 | 1082.47 |
| 18717 | 86.83 | 1561.21 | 356.13 | 828.61 | 318.5 |
| 22139 | 86.79 | 836.39 | 76.66 | 625.53 | 135.77 |
| 8720 | 86.75 | 37.63 | 10.52 | 78.99 | 38.73 |
| 202 | 86.7 | 56.51 | 7.34 | 84.25 | 25.95 |
| 10625 | 86.63 | 3166.14 | 592.44 | 1894.09 | 758.53 |
| 8212 | 86.62 | 2734.92 | 303.96 | 1975.83 | 730.93 |
| 12299 | 86.52 | 1594.94 | 119.48 | 1158.72 | 300.25 |
| 15224 | 86.51 | 924.77 | 53.65 | 802.99 | 219.04 |
| 11623 | 86.46 | 4860.16 | 399.89 | 3556.52 | 1417.32 |
| 6132 | 86.41 | 704.47 | 54.86 | 526.15 | 145.58 |
| 20502 | 86.3 | 4281.17 | 395.39 | 3216.14 | 915.05 |
| 15125 | 86.27 | 2886.76 | 470.72 | 1640.53 | 615.99 |
| 19711 | 85.98 | 143.56 | 18.42 | 209.77 | 71.87 |
| 8207 | 85.98 | 41.56 | 7.46 | 64.43 | 20.12 |
| 2969 | 85.96 | 3867.38 | 685.26 | 2122.69 | 1020.38 |
| 25525 | 85.91 | 1894.47 | 314.56 | 1344.71 | 365.38 |
| 15677 | 85.84 | 156.77 | 26.48 | 243.81 | 122.2 |
| 8211 | 85.79 | 3773.15 | 570.2 | 2362.03 | 1110.56 |
| 5996 | 85.75 | 128.57 | 25.59 | 230.41 | 78.61 |
| 20876 | 85.75 | 3075.43 | 361.89 | 2076.77 | 610.83 |
| 6832 | 85.54 | 160.46 | 27.27 | 115.4 | 68.12 |

| TABLE 5N: BICALUTAMIDE Timepoint(s): 6, 24, 168 hrs Attorney Docket 44921-5038-01-WO Document No. 1935828.1 | | | | | |
|--|-----------|----------|---------|-------------|-----------|
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16947 | 85.43 | 1621.03 | 179.12 | 1149.72 | 321.34 |
| 21904 | 85.35 | 5411.5 | 847.65 | 2989.45 | 1586.66 |
| 20846 | 85.32 | 3770.81 | 301.11 | 2728.35 | 862.49 |
| 6050 | 85.31 | 73.92 | 21.97 | 141.83 | 61.38 |
| 20716 | 85.28 | 2021.87 | 149.83 | 1639.27 | 475.21 |
| 16203 | 85.27 | 116.04 | 19.61 | 78.78 | 34.59 |
| 19425 | 85.13 | 14923.53 | 2865.23 | 9631.12 | 5918.03 |
| 14042 | 85.1 | 14415.82 | 2361.66 | 7961.54 | 5331.78 |
| 17560 | 84.89 | 440.74 | 90.35 | 736.93 | 328.47 |
| 14518 | 84.87 | 471.14 | 96.59 | 281.7 | 148.03 |
| 8422 | 84.87 | 133.99 | 48.42 | 46.41 | 75.1 |
| 10626 | 84.86 | 3005.78 | 592.33 | 1670.17 | 646.71 |
| 12363 | 84.86 | 220.65 | 34.33 | 291.82 | 61.88 |
| 21156 | 84.61 | 8740.95 | 909.29 | 5062.58 | 2984.97 |
| 2794 | 84.55 | 319.84 | 70.01 | 165.04 | 102.47 |
| 8711 | 84.51 | 70.08 | 14.39 | 29.96 | 46.12 |
| 24221 | 84.49 | 182.98 | 33.98 | 278.21 | 82.66 |
| 11151 | 84.46 | 319.39 | 68.02 | 509.45 | 187.63 |
| 25768 | 84.43 | 90.39 | 13.5 | 129.43 | 42.46 |
| 18299 | 84.41 | 78.66 | 11.12 | 105.73 | 25.03 |
| 14232 | 84.39 | 1037.13 | 113.39 | 741.52 | 338.42 |
| 5619 | 84.33 | 228.16 | 57.74 | 432.05 | 224.14 |
| 14887 | 84.32 | 642.65 | 246.6 | 291.81 | 246.83 |
| 20350 | 84.29 | 185.45 | 14.52 | 236.81 | 65.71 |
| 17672 | 84.21 | 2759.77 | 246.68 | 2106.24 | 520.92 |
| 18269 | 84.19 | 120.93 | 10.11 | 161.79 | 56.6 |
| 7505 | 84.09 | 119.14 | 8.62 | 138.98 | 45.63 |
| 10624 | 83.98 | 2532.34 | 675.55 | 1362.87 | 597.43 |
| 16625 | 83.93 | 258.17 | 44.43 | 347.18 | 83.93 |
| 18178 | 83.91 | 1643.49 | 313.34 | 1018.88 | 554.33 |
| 11888 | 83.91 | 222.84 | 36.37 | 140.6 | 60.97 |
| 17240 | 83.89 | 5699.55 | 568.11 | 3668.94 | 1524.15 |
| 7345 | 83.87 | 73.46 | 33.15 | 30.49 | 39.29 |
| 18730 | 83.87 | 4656.36 | 542 | 2888.16 | 1610.43 |
| 746 | 83.86 | 163.45 | 16.62 | 124.92 | 82.02 |
| 21013 | 83.86 | 4245.02 | 573.44 | 2603.84 | 1213.19 |
| 4445 | 83.86 | 709.56 | 55.38 | 567.34 | 114.22 |
| 15126 | 83.85 | 2079.29 | 356.39 | 1270.26 | 536.46 |
| 19 | 83.79 | 370.6 | 75.31 | 594.04 | 214 |
| 4275 | 83.71 | 2117.94 | 188.53 | 1794.05 | 418.04 |
| 24362 | 83.69 | 4405.66 | 546.52 | 2963.15 | 1813.82 |
| 1796 | 83.67 | 575.67 | 203.3 | 236.19 | 178.15 |
| 22029 | 83.62 | 8511.75 | 1137.95 | 5380.71 | 2936.67 |
| 4683 | 83.61 | 109.52 | 18.98 | 168.35 | 88.94 |
| 9307 | 83.57 | 10936.02 | 1566.71 | 6220.22 | 3313.7 |
| 20305 | 83.56 | 28.53 | 10.33 | 61.45 | 30.06 |
| 2387 | 83.55 | 387.6 | 71.54 | 226.74 | 142.55 |
| 1804 | 83.49 | 4039.69 | 1057.77 | 2595.31 | 1264.11 |
| 21014 | 83.47 | 1662.37 | 358.7 | 1038.16 | 348.06 |
| 14346 | 83.43 | 1994.85 | 202.58 | 1523.91 | 364.31 |
| 10622 | 83.42 | 2853.67 | 728.68 | 1546 | 690.79 |

TABLE 5N: BICALUTAMIDE
 Timepoint(s): 6, 24, 168 hrs. Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 1421 | 83.37 | 117.49 | 7.85 | 139.01 | 24.32 |
| 15069 | 83.35 | 1387.87 | 305.59 | 897.77 | 381.74 |
| 17433 | 83.34 | 138.7 | 13.95 | 184.59 | 54.78 |
| 23192 | 83.29 | 134.87 | 24.55 | 218.67 | 86.27 |
| 17556 | 83.09 | 1606.64 | 280.26 | 1006.16 | 481.15 |
| 10623 | 82.97 | 2005.32 | 424.98 | 1097.51 | 498.68 |
| 20464 | 82.94 | 2338.81 | 290.91 | 1776.86 | 559.41 |
| 17676 | 82.88 | 5304.82 | 859.63 | 3094.37 | 1638.93 |
| 18861 | 82.83 | 1041.37 | 175.77 | 641.02 | 251.92 |
| 21690 | 82.76 | 36.14 | 7.11 | 63.03 | 32.92 |
| 16043 | 82.65 | 95.36 | 12.38 | 131.18 | 46 |
| 15642 | 82.6 | 252.02 | 39.37 | 377.41 | 160.74 |
| 16257 | 82.57 | 758.92 | 115.75 | 492.54 | 165.07 |
| 3915 | 82.57 | 35.58 | 6.37 | 52.49 | 20.26 |
| 15371 | 82.54 | 201.09 | 28.22 | 278.09 | 80.74 |
| 21903 | 82.48 | 2069.84 | 261.63 | 1522.58 | 488.06 |
| 17561 | 82.46 | 130.52 | 39.79 | 261.8 | 145.07 |
| 15516 | 82.38 | 119.81 | 19.44 | 175.08 | 58.5 |
| 8266 | 82.34 | 6200.92 | 1006.15 | 3536.09 | 2242.88 |
| 2979 | 82.34 | 192.53 | 12.42 | 233.67 | 65.71 |
| 1550 | 82.34 | 246.3 | 48.26 | 432.34 | 211.98 |
| 145 | 82.29 | 45.36 | 8.46 | 73.42 | 26.12 |
| 17083 | 82.28 | 49.53 | 8.95 | 73.48 | 28.69 |
| 18346 | 82.25 | 187.44 | 26.93 | 145.18 | 49.14 |
| 3439 | 82.21 | 43.01 | 7.52 | 78.15 | 40.33 |
| 18302 | 82.18 | 21.45 | 18.24 | 147.96 | 138.26 |
| 580 | 82.17 | 66.16 | 24.39 | 114.68 | 47.09 |
| 18357 | 82.16 | 278.1 | 27.48 | 355.74 | 87.59 |
| 9135 | 82.1 | 804.84 | 34.31 | 747.49 | 136.44 |
| 1481 | 82.04 | 40.66 | 7.52 | 58.58 | 29.87 |
| 24873 | 82.04 | 21.89 | 6.18 | 40.49 | 28.79 |
| 14981 | 82 | 6242.22 | 1306.4 | 3413.53 | 2306.41 |
| 18287 | 81.96 | 61.69 | 14.03 | 83.29 | 21.27 |
| 25430 | 81.94 | 420.24 | 84.04 | 621.61 | 179.45 |
| 1133 | 81.81 | 97.56 | 14.52 | 133.43 | 29.21 |
| 19252 | 81.64 | 439.95 | 35.68 | 520.58 | 190.73 |
| 24798 | 81.64 | 410.66 | 52.61 | 572.33 | 199.49 |
| 22860 | 81.59 | 41.46 | 4.52 | 54.77 | 24.35 |
| 19727 | 81.55 | 1824.09 | 189.5 | 1387.45 | 423.02 |
| 24345 | 81.53 | 100 | 48.46 | 266.4 | 301.58 |
| 6477 | 81.52 | 2966.73 | 343.57 | 2259.65 | 866.25 |
| 17227 | 81.45 | 2269.56 | 339.72 | 1688.68 | 379.17 |
| 109 | 81.44 | 6691.79 | 944.48 | 3914.6 | 2207.46 |
| 15225 | 81.41 | 1140.81 | 82.04 | 978.96 | 163.38 |
| 21287 | 81.4 | 55.3 | 11.32 | 93.94 | 42.94 |
| 21623 | 81.39 | 1767.8 | 145.19 | 1500.94 | 337.77 |

TABLE 50: CCL4
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935323.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 20589 | 99.76 | 285.48 | 30.99 | 24.54 | 23.07 |
| 16457 | 99.73 | 470.97 | 44.85 | 167.97 | 77.14 |
| 17167 | 99.68 | 5178.1 | 150.52 | 2756.96 | 666.96 |
| 8152 | 99.6 | 209.7 | 21.22 | 66.44 | 19.21 |
| 23631 | 99.58 | 162.76 | 37.05 | 37.36 | 34.49 |
| 13486 | 99.5 | 107.55 | 14.39 | 30.27 | 19.34 |
| 18800 | 99.47 | 220.37 | 68.88 | 22.97 | 143.66 |
| 15185 | 99.47 | 572.3 | 212.35 | 59.45 | 96.47 |
| 19191 | 99.42 | 3081.98 | 281.59 | 1107.03 | 351.19 |
| 4095 | 99.42 | 334.45 | 75.27 | 42.2 | 33.29 |
| 21802 | 99.42 | 99.74 | 8.27 | 26.94 | 14.93 |
| 16394 | 99.39 | 504.35 | 120.83 | 116.09 | 195.85 |
| 497 | 99.39 | 903.77 | 160.27 | 139.13 | 134.28 |
| 574 | 99.39 | 721.07 | 264.86 | 92.78 | 161.18 |
| 17158 | 99.39 | 347.11 | 70.42 | 52.67 | 31.52 |
| 23731 | 99.36 | 417.48 | 161.01 | 131.4 | 47.37 |
| 21097 | 99.36 | 285.19 | 53.54 | 926.43 | 391.36 |
| 18002 | 99.36 | 403.4 | 125.9 | 2317.53 | 794.7 |
| 11161 | 99.36 | 117.22 | 13.58 | 602.61 | 326.01 |
| 19456 | 99.36 | 1660.02 | 1205.05 | 20.54 | 95.38 |
| 4011 | 99.34 | 527.49 | 75.12 | 1822.06 | 678.03 |
| 4048 | 99.34 | 2846.7 | 1989.92 | 44.06 | 171.31 |
| 3909 | 99.31 | 174.34 | 42.84 | 28.67 | 20.5 |
| 2853 | 99.31 | 278.11 | 50.48 | 57.12 | 44.26 |
| 22321 | 99.31 | 1034.74 | 210.81 | 74.36 | 94.79 |
| 21091 | 99.26 | 623.69 | 96.26 | 1770.23 | 507.1 |
| 4097 | 99.26 | 263.24 | 88.27 | 36.49 | 20.82 |
| 12035 | 99.23 | 89.36 | 11.02 | 35.4 | 33.7 |
| 24873 | 99.23 | 124.37 | 37.27 | 40.1 | 28.33 |
| 11376 | 99.23 | 133.05 | 22.83 | 27.41 | 20.87 |
| 2765 | 99.23 | 260.19 | 96 | 37.57 | 20.85 |
| 18385 | 99.23 | 271.47 | 82.96 | 21.11 | 27.27 |
| 17809 | 99.2 | 138.05 | 18.67 | 42.94 | 19.7 |
| 17255 | 99.2 | 82.42 | 17.35 | 25.88 | 10.71 |
| 12551 | 99.2 | 37.47 | 8.02 | 233.51 | 77.8 |
| 2042 | 99.18 | 211.79 | 40.46 | 33.86 | 43.65 |
| 2854 | 99.18 | 853.85 | 128.76 | 286.5 | 83.26 |
| 20745 | 99.15 | 892.06 | 139.28 | 306.7 | 77.28 |
| 19241 | 99.13 | 355.33 | 97.66 | 120.88 | 42.78 |
| 19177 | 99.1 | 137.75 | 32.42 | 25.22 | 14.26 |
| 20816 | 99.07 | 1019.58 | 230.25 | 245.42 | 387.38 |
| 12160 | 99.07 | 262.93 | 35.56 | 1123.31 | 1303.12 |
| 2107 | 99.07 | 249.59 | 34.94 | 95.72 | 43.88 |
| 4161 | 99.07 | 89.58 | 15.59 | 32.62 | 11.9 |
| 3895 | 99.07 | 223.53 | 60.87 | 26.67 | 20.62 |
| 14840 | 99.07 | 357.86 | 84.7 | 71.81 | 35.16 |
| 4049 | 99.07 | 1765.48 | 771.38 | 128.18 | 255.17 |
| 17156 | 99.05 | 92.63 | 21.28 | 38.99 | 12.56 |
| 4243 | 99.05 | 225.42 | 22.45 | 97.19 | 45.5 |
| 21836 | 99.05 | 71.79 | 5.88 | 28.13 | 19.58 |
| 17597 | 99.05 | 86.53 | 13.25 | 32.96 | 17.94 |

TABLE 50: CGL4
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5033-01-WO
 Document No. 1935328.1

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 7650 | 99.05 | 601.79 | 420.83 | 103.99 | 49.6 |
| 20046 | 99.05 | 198.16 | 63.71 | 22.02 | 16.78 |
| 4989 | 99.02 | 304.32 | 166.99 | 31.37 | 26.09 |
| 23888 | 99.02 | 446.63 | 122.13 | 117.08 | 47.54 |
| 22592 | 99.02 | 514.18 | 140.45 | 50.74 | 74.67 |
| 19275 | 99.02 | 1670.22 | 501.53 | 331.86 | 116.41 |
| 4491 | 99.02 | 542.45 | 121.66 | 150.64 | 59.23 |
| 23422 | 99.02 | 151.44 | 30.13 | 46.26 | 17.79 |
| 16214 | 99.02 | 334.63 | 115.4 | 34.15 | 22.73 |
| 17502 | 99.02 | 348.41 | 53.33 | 82.6 | 48.29 |
| 14929 | 99.02 | 637.11 | 220.64 | 120.24 | 82.41 |
| 25279 | 99.02 | 496.15 | 54.54 | 191.34 | 86.99 |
| 1515 | 98.99 | 95.07 | 15.48 | 29.56 | 25.65 |
| 20421 | 98.99 | 79.9 | 6.49 | 30.5 | 13.91 |
| 5175 | 98.99 | 562.37 | 196.99 | 39.14 | 56.63 |
| 22914 | 98.97 | 370.58 | 104.59 | 1189.83 | 517.96 |
| 2781 | 98.97 | 218.31 | 71.67 | 71.93 | 28.47 |
| 17252 | 98.97 | 113.22 | 31.19 | 686.73 | 282.63 |
| 23013 | 98.97 | 736.28 | 141.4 | 230.55 | 65.66 |
| 4115 | 98.97 | 461.45 | 58.8 | 90.51 | 97.93 |
| 4490 | 98.97 | 1208.15 | 311.74 | 303.14 | 130.31 |
| 9905 | 98.97 | 207.38 | 32.01 | 648.5 | 149.74 |
| 20523 | 98.94 | 141.86 | 28.49 | 48.93 | 68.73 |
| 806 | 98.94 | 986.16 | 197.8 | 3463.02 | 1178.93 |
| 7197 | 98.94 | 127.57 | 63.16 | 24.67 | 15.73 |
| 1411 | 98.94 | 253.31 | 36.52 | 99.86 | 32.14 |
| 2242 | 98.94 | 530.4 | 147.21 | 2436.78 | 879.36 |
| 19040 | 98.94 | 499.95 | 257.94 | 39.49 | 52.72 |
| 21416 | 98.94 | 176.76 | 29.04 | 52.11 | 29.38 |
| 21509 | 98.91 | 915.77 | 390.92 | 149.46 | 106.8 |
| 11551 | 98.91 | 139.38 | 20.46 | 35.72 | 20.04 |
| 16650 | 98.91 | 454.37 | 142.76 | 57.68 | 51.82 |
| 20869 | 98.91 | 480.31 | 171.59 | 59.09 | 42.26 |
| 926 | 98.89 | 200.69 | 71.02 | 35.79 | 20.13 |
| 9720 | 98.89 | 172.43 | 47.4 | 35.78 | 20.62 |
| 14199 | 98.89 | 391.66 | 126.21 | 117.81 | 50.88 |
| 9821 | 98.86 | 208.17 | 33.37 | 70.73 | 26.68 |
| 23173 | 98.86 | 801.47 | 225.72 | 167.05 | 112.5 |
| 16969 | 98.86 | 75.6 | 54.32 | 1150.05 | 635.09 |
| 4856 | 98.86 | 172.16 | 44.6 | 42.65 | 22.1 |
| 883 | 98.86 | 848.96 | 82.27 | 370.18 | 92.68 |
| 17308 | 98.83 | 43.68 | 2.64 | 20.59 | 10.92 |
| 23981 | 98.83 | 1705.16 | 517.61 | 551.57 | 116.96 |
| 7733 | 98.83 | 586.28 | 170.02 | 213.72 | 62.46 |
| 1552 | 98.83 | 79.78 | 37.77 | 586.52 | 212.68 |
| 13563 | 98.81 | 330.67 | 91.66 | 1186.6 | 355.12 |
| 8025 | 98.81 | 1203.06 | 168.3 | 426.94 | 149.1 |
| 21230 | 98.81 | 369.8 | 61.96 | 53.28 | 86.54 |
| 1841 | 98.78 | 123.23 | 11.06 | 47.29 | 52.59 |
| 23274 | 98.78 | 1121.44 | 93.96 | 609.78 | 118.13 |
| 10015 | 98.75 | 533.36 | 186 | 137.6 | 46.15 |

Attorney Docket 44921-5038-01-WO
Document No. 1935323.1

TABLE 50: CCL4
Timepoint(s): 24, 48 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 25257 | 98.73 | 537.67 | 102.07 | 98.03 | 63.7 |
| 15296 | 98.73 | 590.45 | 94.8 | 209.31 | 73.55 |
| 18630 | 98.73 | 90.46 | 14.25 | 28.7 | 18.76 |
| 10016 | 98.7 | 486.78 | 139.46 | 91.24 | 43.4 |
| 1427 | 98.7 | 90.18 | 15.72 | 28.02 | 18.46 |
| 1551 | 98.7 | 185 | 68.69 | 1028.7 | 367.63 |
| 7063 | 98.67 | 581.57 | 155.71 | 91.28 | 94.21 |
| 12797 | 98.67 | 63.04 | 7.65 | 20.62 | 13.07 |
| 25252 | 98.65 | 581.13 | 92.91 | 218.96 | 92.84 |
| 6107 | 98.65 | 351.6 | 64.71 | 92.09 | 54.37 |
| 14423 | 98.65 | 111.52 | 12.27 | 40.86 | 18.71 |
| 14881 | 98.62 | 258.45 | 173.76 | 1707.06 | 632.12 |
| 20868 | 98.62 | 321.77 | 139.65 | 41.26 | 31.89 |
| 17083 | 98.62 | 191.42 | 37.46 | 72.94 | 27.86 |
| 20746 | 98.62 | 983.99 | 159.57 | 420.92 | 108.26 |
| 15888 | 98.59 | 437.42 | 128.64 | 166.03 | 140.1 |
| 9841 | 98.59 | 802.14 | 181.07 | 2173.19 | 559.23 |
| 17130 | 98.57 | 234.05 | 49.82 | 87.56 | 27.43 |
| 19768 | 98.57 | 803.38 | 85.45 | 280.49 | 123.06 |
| 15242 | 98.54 | 84.2 | 7.61 | 46.06 | 13.16 |
| 1514 | 98.54 | 160.57 | 24.32 | 53.41 | 22.36 |
| 8439 | 98.54 | 86.24 | 21.43 | 21.87 | 10.87 |
| 20783 | 98.54 | 374.46 | 183.68 | 51.27 | 35.52 |
| 14121 | 98.54 | 757.87 | 159.09 | 217.11 | 97.55 |
| 20587 | 98.54 | 447.45 | 94.39 | 1017.11 | 250.9 |
| 3831 | 98.54 | 137.89 | 28.1 | 34.12 | 23.94 |
| 1550 | 98.52 | 50.04 | 25.96 | 432.28 | 211.08 |
| 13973 | 98.49 | 168.72 | 55.33 | 23.24 | 17.55 |
| 16444 | 98.49 | 336.2 | 97.41 | 122.7 | 48.5 |
| 15884 | 98.49 | 380.9 | 101.28 | 92.55 | 59.83 |
| 4361 | 98.49 | 122.16 | 18 | 57.58 | 32.58 |
| 17727 | 98.49 | 68.34 | 13.03 | 26.16 | 9.88 |
| 1795 | 98.46 | 61.54 | 32.04 | 534.73 | 374.12 |
| 11170 | 98.46 | 1302.3 | 114.63 | 634.55 | 170.6 |
| 16118 | 98.46 | 89.6 | 33.52 | 27.51 | 11.01 |
| 21696 | 98.46 | 438.37 | 58.6 | 180.59 | 68.47 |
| 405 | 98.46 | 282.14 | 87.98 | 943.86 | 194.02 |
| 12606 | 98.44 | 209.17 | 47.17 | 741.89 | 238.25 |
| 18165 | 98.44 | 49.88 | 7.39 | 21.58 | 10.52 |
| 17157 | 98.44 | 105.66 | 29.75 | 23.15 | 16.21 |
| 21060 | 98.44 | 153.13 | 49.66 | 43.48 | 27.52 |
| 14882 | 98.41 | 215.48 | 141.39 | 1303.65 | 412.9 |
| 7427 | 98.41 | 175.14 | 40.76 | 32.3 | 29.79 |
| 13499 | 98.41 | 174.49 | 27.28 | 50.56 | 36.82 |
| 13974 | 98.41 | 1201.76 | 365.51 | 226.06 | 115.51 |
| 1435 | 98.41 | 977.21 | 211.92 | 241.19 | 148.7 |
| 588 | 98.41 | 216.49 | 61.88 | 940.43 | 268.63 |
| 3549 | 98.38 | 502.59 | 114.28 | 200.54 | 80.15 |
| 20298 | 98.38 | 182.9 | 39.99 | 509.96 | 151.7 |
| 1570 | 98.38 | 285.96 | 141.46 | 99.06 | 44.13 |
| 17854 | 98.36 | 91.36 | 13.14 | 30.41 | 15.46 |

TABLE 5P: CCL4
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935823.1

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 16457 | 99.73 | 470.97 | 44.85 | 167.97 | 77.14 |
| 17167 | 99.68 | 5178.1 | 150.52 | 2756.96 | 666.96 |
| 23631 | 99.58 | 162.76 | 37.05 | 37.36 | 34.49 |
| 13486 | 99.5 | 107.55 | 14.39 | 30.27 | 19.34 |
| 15185 | 99.47 | 572.3 | 212.35 | 59.45 | 96.47 |
| 18800 | 99.47 | 220.37 | 68.88 | 22.97 | 143.66 |
| 21802 | 99.42 | 99.74 | 8.27 | 26.94 | 14.93 |
| 4095 | 99.42 | 334.45 | 75.27 | 42.2 | 33.29 |
| 19191 | 99.42 | 3081.98 | 281.59 | 1107.03 | 351.19 |
| 17158 | 99.39 | 347.11 | 70.42 | 52.67 | 31.52 |
| 497 | 99.39 | 903.77 | 160.27 | 139.13 | 134.28 |
| 16394 | 99.39 | 504.35 | 120.83 | 116.09 | 195.85 |
| 19456 | 99.36 | 1660.02 | 1205.05 | 20.54 | 95.38 |
| 11161 | 99.36 | 117.22 | 13.58 | 602.61 | 326.01 |
| 18002 | 99.36 | 403.4 | 125.9 | 2317.53 | 794.7 |
| 21097 | 99.36 | 285.19 | 53.54 | 926.43 | 391.36 |
| 23731 | 99.36 | 417.48 | 161.01 | 131.4 | 47.37 |
| 4011 | 99.34 | 527.49 | 75.12 | 1822.06 | 678.03 |
| 3909 | 99.31 | 174.34 | 42.84 | 28.67 | 20.5 |
| 21091 | 99.26 | 623.69 | 96.26 | 1770.23 | 507.1 |
| 18385 | 99.23 | 271.47 | 82.96 | 21.11 | 27.27 |
| 2765 | 99.23 | 260.19 | 96 | 37.57 | 20.85 |
| 11376 | 99.23 | 133.05 | 22.83 | 27.41 | 20.87 |
| 24873 | 99.23 | 124.37 | 37.27 | 40.1 | 28.33 |
| 12035 | 99.23 | 89.36 | 11.02 | 35.4 | 33.7 |
| 17255 | 99.2 | 82.42 | 17.35 | 25.88 | 10.71 |
| 17809 | 99.2 | 138.05 | 18.67 | 42.94 | 19.7 |
| 2042 | 99.18 | 211.79 | 40.46 | 33.86 | 43.65 |
| 20745 | 99.15 | 892.06 | 139.28 | 306.7 | 77.28 |
| 19177 | 99.1 | 137.75 | 32.42 | 25.22 | 14.26 |
| 14840 | 99.07 | 357.86 | 84.7 | 71.81 | 35.16 |
| 3895 | 99.07 | 223.53 | 60.87 | 26.67 | 20.62 |
| 4161 | 99.07 | 89.58 | 15.59 | 32.62 | 11.9 |
| 2107 | 99.07 | 249.59 | 34.94 | 95.72 | 43.88 |
| 12160 | 99.07 | 262.93 | 35.56 | 1123.31 | 1303.12 |
| 20816 | 99.07 | 1019.58 | 230.25 | 245.42 | 387.38 |
| 20046 | 99.05 | 198.16 | 63.71 | 22.02 | 16.78 |
| 7650 | 99.05 | 601.79 | 420.83 | 103.99 | 49.6 |
| 17597 | 99.05 | 86.53 | 13.25 | 32.96 | 17.94 |
| 21836 | 99.05 | 71.79 | 5.88 | 28.13 | 19.58 |
| 4243 | 99.05 | 225.42 | 22.45 | 97.19 | 45.5 |
| 17156 | 99.05 | 92.63 | 21.28 | 38.99 | 12.56 |
| 25279 | 99.02 | 496.15 | 54.54 | 191.34 | 86.99 |
| 14929 | 99.02 | 637.11 | 220.64 | 120.24 | 82.41 |
| 17502 | 99.02 | 348.41 | 53.33 | 82.6 | 48.29 |
| 16214 | 99.02 | 334.63 | 115.4 | 34.15 | 22.73 |
| 23422 | 99.02 | 151.44 | 30.13 | 46.26 | 17.79 |
| 4491 | 99.02 | 542.45 | 121.66 | 150.64 | 59.23 |
| 19275 | 99.02 | 1670.22 | 501.53 | 331.86 | 116.41 |
| 22592 | 99.02 | 514.18 | 140.45 | 50.74 | 74.67 |
| 4989 | 99.02 | 304.32 | 166.99 | 31.37 | 26.09 |

TABLE 5P: CCL4
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935823.1

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 5175 | 98.99 | 562.37 | 196.99 | 39.14 | 56.63 |
| 20421 | 98.99 | 79.9 | 6.49 | 30.5 | 13.91 |
| 1515 | 98.99 | 95.07 | 15.48 | 29.56 | 25.65 |
| 9905 | 98.97 | 207.38 | 32.01 | 648.5 | 149.74 |
| 4490 | 98.97 | 1208.15 | 311.74 | 303.14 | 130.31 |
| 4115 | 98.97 | 461.45 | 58.8 | 90.51 | 97.93 |
| 17252 | 98.97 | 113.22 | 31.19 | 686.73 | 282.63 |
| 22914 | 98.97 | 370.58 | 104.59 | 1189.83 | 517.96 |
| 2242 | 98.94 | 530.4 | 147.21 | 2436.78 | 879.36 |
| 1411 | 98.94 | 253.31 | 36.52 | 99.86 | 32.14 |
| 7197 | 98.94 | 127.57 | 63.16 | 24.67 | 15.73 |
| 806 | 98.94 | 986.16 | 197.8 | 3463.02 | 1178.93 |
| 20523 | 98.94 | 141.86 | 28.49 | 48.93 | 68.73 |
| 20869 | 98.91 | 480.31 | 171.59 | 59.09 | 42.26 |
| 11551 | 98.91 | 139.38 | 20.46 | 35.72 | 20.04 |
| 21509 | 98.91 | 915.77 | 390.92 | 149.46 | 106.8 |
| 14199 | 98.89 | 391.66 | 126.21 | 117.81 | 50.88 |
| 9720 | 98.89 | 172.43 | 47.4 | 35.78 | 20.62 |
| 926 | 98.89 | 200.69 | 71.02 | 35.79 | 20.13 |
| 883 | 98.86 | 848.96 | 82.27 | 370.18 | 92.68 |
| 16969 | 98.86 | 75.6 | 54.32 | 1150.05 | 635.09 |
| 9821 | 98.86 | 208.17 | 33.37 | 70.73 | 26.68 |
| 1552 | 98.83 | 79.78 | 37.77 | 586.52 | 212.68 |
| 7733 | 98.83 | 586.28 | 170.02 | 213.72 | 62.46 |
| 23981 | 98.83 | 1705.16 | 517.61 | 551.57 | 116.96 |
| 17308 | 98.83 | 43.68 | 2.64 | 20.59 | 10.92 |
| 21230 | 98.81 | 369.8 | 61.96 | 53.28 | 86.54 |
| 8025 | 98.81 | 1203.06 | 168.3 | 426.94 | 149.1 |
| 13563 | 98.81 | 330.67 | 91.66 | 1186.6 | 355.12 |
| 23274 | 98.78 | 1121.44 | 93.96 | 609.78 | 118.13 |
| 22645 | 98.78 | 233.57 | 10.3 | 124.76 | 45.89 |
| 14656 | 98.78 | 92.13 | 13.9 | 30.57 | 14.78 |
| 1841 | 98.78 | 123.23 | 11.06 | 47.29 | 52.59 |
| 10015 | 98.75 | 533.36 | 186 | 137.6 | 46.15 |
| 23773 | 98.75 | 500.29 | 249.56 | 63.12 | 49.17 |
| 15121 | 98.75 | 1228.37 | 478.76 | 464.93 | 137.55 |
| 17489 | 98.75 | 659.58 | 278.22 | 117.37 | 82.5 |
| 18630 | 98.73 | 90.46 | 14.25 | 28.7 | 18.76 |
| 15296 | 98.73 | 590.45 | 94.8 | 209.31 | 73.55 |
| 1551 | 98.7 | 185 | 68.69 | 1028.7 | 367.63 |
| 1427 | 98.7 | 90.18 | 15.72 | 28.02 | 18.46 |
| 14118 | 98.7 | 243.65 | 86.83 | 1135.66 | 461.2 |
| 16267 | 98.67 | 376.52 | 22.67 | 195.26 | 56.33 |
| 7063 | 98.67 | 581.57 | 155.71 | 91.28 | 94.21 |
| 12797 | 98.67 | 63.04 | 7.65 | 20.62 | 13.07 |
| 24040 | 98.67 | 2606.92 | 1475.06 | 564.01 | 188.03 |
| 867 | 98.67 | 845.8 | 252.31 | 299.25 | 82.39 |
| 12401 | 98.67 | 617 | 333.35 | 118.67 | 54.89 |
| 12963 | 98.67 | 371.78 | 38.24 | 171.03 | 77.17 |
| 25252 | 98.65 | 581.13 | 92.91 | 218.96 | 92.84 |
| 6107 | 98.65 | 351.6 | 64.71 | 92.09 | 54.37 |

| TABLE 5P: CCL4 | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14423 | 98.65 | 111.52 | 12.27 | 40.86 | 18.71 |
| 14881 | 98.62 | 258.45 | 173.76 | 1707.06 | 632.12 |
| 20868 | 98.62 | 321.77 | 139.65 | 41.26 | 31.89 |
| 17083 | 98.62 | 191.42 | 37.46 | 72.94 | 27.86 |
| 20746 | 98.62 | 983.99 | 159.57 | 420.92 | 108.26 |
| 15888 | 98.59 | 437.42 | 128.64 | 166.03 | 140.1 |
| 9841 | 98.59 | 802.14 | 181.07 | 2173.19 | 559.23 |
| 17130 | 98.57 | 234.05 | 49.82 | 87.56 | 27.43 |
| 15242 | 98.54 | 84.2 | 7.61 | 46.06 | 13.16 |
| 1514 | 98.54 | 160.57 | 24.32 | 53.41 | 22.36 |
| 8439 | 98.54 | 86.24 | 21.43 | 21.87 | 10.87 |
| 20783 | 98.54 | 374.46 | 183.68 | 51.27 | 35.52 |
| 14121 | 98.54 | 757.87 | 159.09 | 217.11 | 97.55 |
| 20587 | 98.54 | 447.45 | 94.39 | 1017.11 | 250.9 |
| 3831 | 98.54 | 137.89 | 28.1 | 34.12 | 23.94 |
| 1550 | 98.52 | 50.04 | 25.96 | 432.28 | 211.08 |
| 13973 | 98.49 | 168.72 | 55.33 | 23.24 | 17.55 |
| 16444 | 98.49 | 336.2 | 97.41 | 122.7 | 48.5 |
| 15884 | 98.49 | 380.9 | 101.28 | 92.55 | 59.83 |
| 4361 | 98.49 | 122.16 | 18 | 57.58 | 32.58 |
| 17727 | 98.49 | 68.34 | 13.03 | 26.16 | 9.88 |
| 1795 | 98.46 | 61.54 | 32.04 | 534.73 | 374.12 |
| 11170 | 98.46 | 1302.3 | 114.63 | 634.55 | 170.6 |
| 16118 | 98.46 | 89.6 | 33.52 | 27.51 | 11.01 |
| 21696 | 98.46 | 438.37 | 58.6 | 180.59 | 68.47 |
| 405 | 98.46 | 282.14 | 87.98 | 943.86 | 194.02 |
| 12606 | 98.44 | 209.17 | 47.17 | 741.89 | 238.25 |
| 18165 | 98.44 | 49.88 | 7.39 | 21.58 | 10.52 |
| 14882 | 98.41 | 215.48 | 141.39 | 1303.65 | 412.9 |
| 7427 | 98.41 | 175.14 | 40.76 | 32.3 | 29.79 |
| 13499 | 98.41 | 174.49 | 27.28 | 50.56 | 36.82 |
| 13974 | 98.41 | 1201.76 | 365.51 | 226.06 | 115.51 |
| 1435 | 98.41 | 977.21 | 211.92 | 241.19 | 148.7 |
| 588 | 98.41 | 216.49 | 61.88 | 940.43 | 268.63 |
| 20298 | 98.38 | 182.9 | 39.99 | 509.96 | 151.7 |
| 1570 | 98.38 | 285.96 | 141.46 | 99.06 | 44.13 |
| 15662 | 98.36 | 91.92 | 14.56 | 36.5 | 49.41 |
| 15347 | 98.36 | 346.75 | 87.39 | 117.28 | 43.88 |
| 17854 | 98.36 | 91.36 | 13.14 | 30.41 | 15.46 |
| 20767 | 98.33 | 280.71 | 144.4 | 55.47 | 49.21 |
| 17321 | 98.33 | 221.21 | 22.9 | 97.97 | 35.41 |
| 16456 | 98.33 | 358.94 | 48.34 | 147.37 | 53.44 |
| 15175 | 98.33 | 106.35 | 12.21 | 232.4 | 67.26 |
| 13731 | 98.33 | 67.28 | 8.03 | 25.13 | 19.29 |
| 15295 | 98.3 | 440.81 | 58.59 | 193.54 | 57.57 |
| 21538 | 98.28 | 112.07 | 31.82 | 33.42 | 15.07 |
| 22903 | 98.28 | 223.21 | 29.54 | 114.26 | 35.65 |
| 3404 | 98.22 | 285.46 | 52.41 | 126.82 | 42.71 |
| 62 | 98.22 | 41.02 | 6.3 | 118.71 | 37.35 |
| 18068 | 98.22 | 124.17 | 43.49 | 42.05 | 13.94 |
| 15659 | 98.2 | 171.38 | 51.63 | 46.45 | 19.32 |

TABLE 5P: CCL4
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 22374 | 98.2 | 331.72 | 46.32 | 177.27 | 47.72 |
| 20514 | 98.2 | 86.21 | 16.85 | 22.41 | 17.54 |
| 20848 | 98.2 | 673.73 | 143.1 | 258.22 | 84.72 |

| TABLE 5Q: CCL4 | | | | | |
|------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14664 | 99.76 | 377.68 | 20.92 | 136.44 | 44.25 |
| 22957 | 99.5 | 1374.12 | 163.04 | 258.41 | 141.69 |
| 1923 | 99.47 | 792.04 | 81.55 | 255.07 | 88.84 |
| 22504 | 99.44 | 1075.8 | 276.85 | 143.28 | 79.8 |
| 13055 | 99.42 | 86.48 | 19.54 | 478.67 | 173.07 |
| 22266 | 99.39 | 466.47 | 113.24 | 1709.02 | 349.89 |
| 2787 | 99.36 | 1345.7 | 116.52 | 547.14 | 157.98 |
| 24019 | 99.36 | 166.62 | 22.91 | 25.28 | 25.42 |
| 4437 | 99.34 | 429.95 | 104.1 | 1419.15 | 416.74 |
| 11431 | 99.31 | 269.44 | 41.67 | 67.29 | 25.3 |
| 23595 | 99.31 | 152.68 | 18.51 | 36.24 | 28.72 |
| 17337 | 99.28 | 158.41 | 44.56 | 37.65 | 65.6 |
| 22039 | 99.28 | 115.8 | 13.78 | 40.16 | 18.76 |
| 4585 | 99.28 | 391.85 | 55.33 | 1062.9 | 303.62 |
| 3710 | 99.28 | 843.51 | 203.46 | 86.56 | 103.18 |
| 8278 | 99.26 | 199.08 | 13.67 | 323.31 | 50.68 |
| 23137 | 99.26 | 1045.83 | 179.14 | 251.37 | 107.33 |
| 8795 | 99.23 | 150.12 | 17.44 | 20.65 | 23.5 |
| 25098 | 99.23 | 469.56 | 157.25 | 29.61 | 43.11 |
| 6678 | 99.2 | 337.27 | 45.6 | 131.96 | 108.26 |
| 6723 | 99.2 | 51.73 | 8.72 | 192.66 | 73.89 |
| 2685 | 99.2 | 217.79 | 19.04 | 91.1 | 34.76 |
| 25934 | 99.2 | 145.29 | 21.13 | 38.44 | 16.93 |
| 1183 | 99.2 | 846.34 | 270.27 | 56.91 | 75.32 |
| 21592 | 99.18 | 320.8 | 69.98 | 1062.3 | 343.83 |
| 15376 | 99.18 | 520.6 | 59.06 | 184 | 66.08 |
| 9757 | 99.18 | 140.3 | 9.99 | 283.25 | 69.59 |
| 4663 | 99.15 | 598.65 | 343.4 | 113.68 | 53.9 |
| 2501 | 99.15 | 378.95 | 51.18 | 106.63 | 43.83 |
| 8661 | 99.15 | 1338.84 | 728.7 | 22.74 | 133.08 |
| 3816 | 99.13 | 975.32 | 114.29 | 376.26 | 99.16 |
| 23157 | 99.07 | 247.88 | 43.05 | 77.7 | 31.04 |
| 15171 | 99.07 | 2247.86 | 724.98 | 248.1 | 258.83 |
| 21073 | 99.05 | 55.08 | 27.1 | 253.6 | 73.58 |
| 7380 | 99.05 | 333.92 | 139.31 | 78.61 | 43.69 |
| 7806 | 99.05 | 181.23 | 31.25 | 52.52 | 28.51 |
| 22443 | 99.05 | 414.09 | 134.18 | 28.2 | 52.2 |
| 17908 | 99.05 | 750.32 | 84.2 | 70.61 | 110.14 |
| 5200 | 99.02 | 142.98 | 57.87 | 28.04 | 15.07 |
| 22686 | 99.02 | 67.26 | 6.15 | 155.42 | 39.37 |
| 21974 | 99.02 | 446.28 | 79.04 | 174.25 | 40.46 |
| 11549 | 99.02 | 435.29 | 33.69 | 202.67 | 63.14 |
| 14560 | 99.02 | 473.1 | 197.32 | 113.37 | 47.31 |
| 3308 | 99.02 | 372.22 | 58.67 | 160.39 | 37.36 |
| 25907 | 99.02 | 239.1 | 54.52 | 34.6 | 32.63 |
| 22958 | 98.99 | 436.75 | 110.13 | 81.89 | 55.13 |
| 13911 | 98.99 | 99.9 | 12.46 | 30.54 | 17.1 |
| 16576 | 98.99 | 351.95 | 227.31 | 26.26 | 25.84 |
| 23407 | 98.99 | 850.19 | 261.07 | 152.52 | 77.73 |
| 12969 | 98.99 | 374.35 | 124.84 | 38.42 | 39.79 |
| 19613 | 98.97 | 797.9 | 128.77 | 1866.41 | 483.03 |

| TABLE 5Q: CCL4 | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4898 | 98.97 | 207.83 | 30.39 | 83.6 | 28.08 |
| 23556 | 98.97 | 237.06 | 26.46 | 86.48 | 35.04 |
| 19075 | 98.97 | 564.28 | 135.31 | 140.68 | 62.52 |
| 24234 | 98.97 | 965.16 | 164.42 | 144.42 | 112.76 |
| 3925 | 98.94 | 217.47 | 61.66 | 818.72 | 302.08 |
| 8202 | 98.94 | 595.06 | 88.74 | 240.17 | 79.72 |
| 4115 | 98.94 | 515.24 | 89.29 | 90.34 | 97.17 |
| 23463 | 98.91 | 144.81 | 17.94 | 48.66 | 27.11 |
| 4047 | 98.91 | 610.16 | 209.12 | 91.93 | 64.22 |
| 22625 | 98.91 | 1151.84 | 349.46 | 93.62 | 130.86 |
| 15313 | 98.91 | 228.62 | 28.55 | 27.14 | 35.42 |
| 2250 | 98.89 | 311.21 | 148.26 | 1885.66 | 742.62 |
| 2049 | 98.89 | 730.9 | 175.18 | 134.47 | 65.43 |
| 3587 | 98.89 | 1850.06 | 625.03 | 232.47 | 219.2 |
| 1600 | 98.89 | 496.31 | 156.53 | 36.55 | 89.46 |
| 6440 | 98.89 | 865.62 | 91.27 | 289.81 | 138.22 |
| 8314 | 98.89 | 7011 | 2073.58 | 145.07 | 441.94 |
| 15617 | 98.89 | 153.23 | 23.28 | 27.02 | 23.72 |
| 8850 | 98.86 | 273.25 | 61 | 69.08 | 33.51 |
| 1247 | 98.86 | 394.89 | 139.48 | 61.37 | 110.96 |
| 16840 | 98.86 | 802.1 | 147.45 | 2209.27 | 578.15 |
| 19205 | 98.86 | 118.41 | 35.11 | 27.46 | 24.66 |
| 2433 | 98.86 | 344.09 | 59.51 | 112.71 | 39.33 |
| 15303 | 98.86 | 146.6 | 69.04 | 28.76 | 14.66 |
| 2615 | 98.86 | 466.93 | 51.64 | 202.4 | 58.69 |
| 19184 | 98.86 | 601.55 | 169.12 | 86.98 | 95.83 |
| 16318 | 98.86 | 1170.15 | 479.66 | 88.33 | 120.67 |
| 14424 | 98.86 | 1802.74 | 352.74 | 87.21 | 265.6 |
| 4942 | 98.83 | 204.76 | 30.06 | 72.78 | 32.14 |
| 3963 | 98.83 | 122.44 | 35.96 | 431.95 | 110.19 |
| 16965 | 98.83 | 295.15 | 73.84 | 101.59 | 36.59 |
| 9150 | 98.83 | 1222.88 | 185.42 | 541.27 | 134.79 |
| 23538 | 98.83 | 693.56 | 134.81 | 98.36 | 102.84 |
| 10594 | 98.81 | 160.51 | 23.56 | 311.73 | 55.47 |
| 13619 | 98.81 | 325.05 | 122.13 | 79.41 | 69.85 |
| 10108 | 98.81 | 207.15 | 34.02 | 62.67 | 30.59 |
| 19031 | 98.81 | 969.56 | 549.87 | 24.91 | 105.96 |
| 23505 | 98.81 | 1598.37 | 236.63 | 559.86 | 206.83 |
| 2752 | 98.78 | 257.48 | 55.24 | 905.82 | 265.7 |
| 4894 | 98.78 | 358.13 | 24.19 | 189.91 | 52.97 |
| 15469 | 98.78 | 231.5 | 17.65 | 82.35 | 36.41 |
| 20741 | 98.78 | 139.6 | 15.11 | 21.8 | 29.6 |
| 21230 | 98.78 | 419.61 | 95.31 | 53.12 | 85.83 |
| 4952 | 98.78 | 864.71 | 114.38 | 149.09 | 130.12 |
| 20303 | 98.75 | 93.9 | 13.06 | 25.44 | 16.35 |
| 12965 | 98.75 | 309.33 | 64.95 | 65.22 | 43.1 |
| 16267 | 98.75 | 525.9 | 87 | 194.78 | 53.96 |
| 21654 | 98.75 | 976.32 | 105.17 | 404.54 | 146.49 |
| 8664 | 98.75 | 1497.21 | 561.26 | 42.14 | 180.33 |
| 17736 | 98.73 | 1365.61 | 587.99 | 46.77 | 192.25 |
| 4407 | 98.73 | 461.09 | 98.1 | 143.05 | 54.81 |

TABLE 5Q: CCL4
 Timepoint(s): 3, 6 hrs
 Attorney Docket 44921-5098-01-WO
 Document No. 1935823.1

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 18259 | 98.7 | 1213.54 | 406.16 | 135.53 | 131.21 |
| 21696 | 98.67 | 469.43 | 62.34 | 180.49 | 68.07 |
| 14004 | 98.67 | 336.3 | 72.49 | 74.7 | 60.81 |
| 11494 | 98.67 | 594.76 | 151.11 | 24.69 | 75.49 |
| 6892 | 98.65 | 786.52 | 171.21 | 184.77 | 98.16 |
| 21380 | 98.65 | 240.74 | 44.41 | 69.77 | 31.76 |
| 11608 | 98.65 | 70.82 | 12.55 | 20.79 | 11.54 |
| 17734 | 98.65 | 1730.84 | 626.04 | 92.49 | 280.74 |
| 24469 | 98.65 | 344.48 | 27.49 | 623.12 | 199.62 |
| 347 | 98.65 | 83.05 | 10.58 | 24.94 | 14.94 |
| 25643 | 98.65 | 382.31 | 62.02 | 125.53 | 43.81 |
| 15266 | 98.62 | 628 | 72.85 | 308.93 | 77.73 |
| 16081 | 98.62 | 1124.18 | 202.13 | 125.42 | 189.81 |
| 15616 | 98.59 | 613.84 | 177.95 | 105.97 | 80.62 |
| 11483 | 98.57 | 616.87 | 252.91 | 32.8 | 76.51 |
| 17154 | 98.57 | 572.08 | 113 | 187.41 | 76.45 |
| 18584 | 98.57 | 101.66 | 19.12 | 27.81 | 16.21 |
| 1475 | 98.54 | 1719.67 | 823.9 | 78.44 | 245.8 |
| 18396 | 98.54 | 250.91 | 90.16 | 44.66 | 45.13 |
| 16964 | 98.52 | 112.52 | 41.61 | 34.67 | 12.96 |
| 21989 | 98.49 | 168.48 | 57.81 | 60.38 | 16.42 |
| 21123 | 98.49 | 288.69 | 86.67 | 948.59 | 277.63 |
| 1261 | 98.46 | 278.97 | 35.13 | 90.83 | 43.02 |
| 18043 | 98.46 | 207.91 | 88.03 | 23.05 | 26.35 |
| 17779 | 98.46 | 200.92 | 17.81 | 403.07 | 139.25 |
| 3203 | 98.46 | 523.66 | 63.95 | 204.56 | 76.64 |
| 14003 | 98.46 | 546.55 | 150.75 | 155.32 | 99.91 |
| 24596 | 98.46 | 261.04 | 57.85 | 77 | 42.84 |
| 13499 | 98.44 | 247.5 | 92.07 | 50.33 | 35.51 |
| 1841 | 98.44 | 174.45 | 18.33 | 47.12 | 52.27 |
| 20725 | 98.44 | 221.69 | 23.63 | 434.8 | 85.77 |
| 15839 | 98.41 | 159.71 | 15.04 | 334.99 | 86.74 |
| 16013 | 98.41 | 73.9 | 13.06 | 26.63 | 10.55 |
| 17427 | 98.41 | 442.23 | 89.18 | 1123.17 | 248.1 |
| 2686 | 98.38 | 140.88 | 14 | 61.31 | 26.92 |
| 651 | 98.38 | 235.13 | 90.07 | 39.8 | 45.22 |
| 2098 | 98.36 | 296.8 | 52.59 | 132.48 | 39.41 |
| 17735 | 98.36 | 1265.9 | 560.19 | 153.75 | 244.57 |
| 22865 | 98.33 | 84.22 | 16.52 | 33.01 | 13.62 |
| 20917 | 98.33 | 384.28 | 101.08 | 110.21 | 46.71 |
| 15291 | 98.33 | 263.22 | 103.05 | 69.99 | 37.2 |
| 20386 | 98.33 | 813.63 | 131.65 | 253.1 | 124.03 |
| 652 | 98.3 | 707.19 | 168.08 | 79.9 | 109.33 |
| 21653 | 98.3 | 614.7 | 96.08 | 263.68 | 89.49 |
| 3430 | 98.3 | 861.31 | 187.29 | 234.49 | 133.04 |
| 15292 | 98.28 | 464.17 | 85.1 | 161.74 | 63.13 |
| 3454 | 98.28 | 376.24 | 213.33 | 70.49 | 41.75 |
| 16535 | 98.28 | 394.93 | 100.18 | 1180.15 | 435.02 |
| 11405 | 98.22 | 110.13 | 13.67 | 39.33 | 19.84 |
| 650 | 98.22 | 283.36 | 74.3 | 43.15 | 52.24 |
| 23343 | 98.17 | 72.52 | 17.26 | 24.66 | 13.59 |

TABLE 50: GCL4
 Timepoint(s): 3, 6 hrs
 Attorney Docket 44921-5033-01-WO
 Document No. 1935828.1

| GICG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 15487 | 98.17 | 235.67 | 74.15 | 64.8 | 29.61 |
| 1521 | 98.14 | 451.79 | 70.46 | 150.77 | 74.49 |
| 24235 | 98.14 | 1171 | 320.47 | 327.17 | 162.09 |
| 14822 | 98.14 | 422.28 | 113.63 | 140.33 | 50.8 |
| 15558 | 98.12 | 682.77 | 102.77 | 308.96 | 115.38 |
| 6891 | 98.12 | 1762.35 | 650.92 | 539.92 | 206.62 |
| 17599 | 98.09 | 148.14 | 48.1 | 43.77 | 27.85 |
| 25567 | 98.09 | 774.32 | 282.43 | 143.18 | 136.52 |
| 3831 | 98.09 | 117.78 | 39.92 | 34.18 | 24.15 |
| 20708 | 98.06 | 95.14 | 17.14 | 33.88 | 18.11 |
| 3455 | 98.06 | 696.64 | 186.22 | 234.44 | 123.5 |
| 15489 | 98.06 | 156.9 | 18.65 | 76.22 | 23.38 |
| 15265 | 98.04 | 519.21 | 104.55 | 235.65 | 75.36 |
| 22124 | 98.04 | 123 | 25.48 | 44.17 | 18.11 |
| 3202 | 98.04 | 694.27 | 103.9 | 230.56 | 100.47 |
| 23302 | 98.01 | 171.94 | 85.54 | 36.27 | 19.41 |
| 17226 | 98.01 | 597.37 | 62.52 | 1107.82 | 235.64 |
| 9815 | 97.99 | 215.07 | 54.25 | 75 | 26.83 |
| 9745 | 97.93 | 52.85 | 9.28 | 20.2 | 8.76 |
| 15680 | 97.93 | 365.92 | 76.84 | 141.95 | 57.6 |
| 15995 | 97.93 | 700.19 | 275.15 | 100.35 | 149.2 |

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

TABLE 5R: GCL4
Timepoint(s): 3, 6 hrs

| GCLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 14664 | 99.76 | 377.68 | 20.92 | 136.44 | 44.25 |
| 22957 | 99.5 | 1374.12 | 163.04 | 258.41 | 141.69 |
| 1923 | 99.47 | 792.04 | 81.55 | 255.07 | 88.84 |
| 22504 | 99.44 | 1075.8 | 276.85 | 143.28 | 79.8 |
| 13055 | 99.42 | 86.48 | 19.54 | 478.67 | 173.07 |
| 22266 | 99.39 | 466.47 | 113.24 | 1709.02 | 349.89 |
| 24019 | 99.36 | 166.62 | 22.91 | 25.28 | 25.42 |
| 2787 | 99.36 | 1345.7 | 116.52 | 547.14 | 157.98 |
| 4437 | 99.34 | 429.95 | 104.1 | 1419.15 | 416.74 |
| 23595 | 99.31 | 152.68 | 18.51 | 36.24 | 28.72 |
| 11431 | 99.31 | 269.44 | 41.67 | 67.29 | 25.3 |
| 3710 | 99.28 | 843.51 | 203.46 | 86.56 | 103.18 |
| 4585 | 99.28 | 391.85 | 55.33 | 1062.9 | 303.62 |
| 22039 | 99.28 | 115.8 | 13.78 | 40.16 | 18.76 |
| 23137 | 99.26 | 1045.83 | 179.14 | 251.37 | 107.33 |
| 8278 | 99.26 | 199.08 | 13.67 | 323.31 | 50.68 |
| 8795 | 99.23 | 150.12 | 17.44 | 20.65 | 23.5 |
| 25934 | 99.2 | 145.29 | 21.13 | 38.44 | 16.93 |
| 2685 | 99.2 | 217.79 | 19.04 | 91.1 | 34.76 |
| 6723 | 99.2 | 51.73 | 8.72 | 192.66 | 73.89 |
| 6678 | 99.2 | 337.27 | 45.6 | 131.96 | 108.26 |
| 9757 | 99.18 | 140.3 | 9.99 | 283.25 | 69.59 |
| 15376 | 99.18 | 520.6 | 59.06 | 184 | 66.08 |
| 21592 | 99.18 | 320.8 | 69.98 | 1062.3 | 343.83 |
| 2501 | 99.15 | 378.95 | 51.18 | 106.63 | 43.83 |
| 4663 | 99.15 | 598.65 | 343.4 | 113.68 | 53.9 |
| 23157 | 99.07 | 247.88 | 43.05 | 77.7 | 31.04 |
| 7380 | 99.05 | 333.92 | 139.31 | 78.61 | 43.69 |
| 21073 | 99.05 | 55.08 | 27.1 | 253.6 | 73.58 |
| 3308 | 99.02 | 372.22 | 58.67 | 160.39 | 37.36 |
| 14560 | 99.02 | 473.1 | 197.32 | 113.37 | 47.31 |
| 11549 | 99.02 | 435.29 | 33.69 | 202.67 | 63.14 |
| 21974 | 99.02 | 446.28 | 79.04 | 174.25 | 40.46 |
| 22686 | 99.02 | 67.26 | 6.15 | 155.42 | 39.37 |
| 5200 | 99.02 | 142.98 | 57.87 | 28.04 | 15.07 |
| 23407 | 98.99 | 850.19 | 261.07 | 152.52 | 77.73 |
| 16576 | 98.99 | 351.95 | 227.31 | 26.26 | 25.84 |
| 13911 | 98.99 | 99.9 | 12.46 | 30.54 | 17.1 |
| 22958 | 98.99 | 436.75 | 110.13 | 81.89 | 55.13 |
| 23556 | 98.97 | 237.06 | 26.46 | 86.48 | 35.04 |
| 4898 | 98.97 | 207.83 | 30.39 | 83.6 | 28.08 |
| 19613 | 98.97 | 797.9 | 128.77 | 1866.41 | 483.03 |
| 4115 | 98.94 | 515.24 | 89.29 | 90.34 | 97.17 |
| 8202 | 98.94 | 595.06 | 88.74 | 240.17 | 79.72 |
| 3925 | 98.94 | 217.47 | 61.66 | 818.72 | 302.08 |
| 4047 | 98.91 | 610.16 | 209.12 | 91.93 | 64.22 |
| 23463 | 98.91 | 144.81 | 17.94 | 48.66 | 27.11 |
| 6440 | 98.89 | 865.62 | 91.27 | 289.81 | 138.22 |
| 1600 | 98.89 | 496.31 | 156.53 | 36.55 | 89.46 |
| 2250 | 98.89 | 311.21 | 148.26 | 1885.66 | 742.62 |
| 15303 | 98.86 | 146.6 | 69.04 | 28.76 | 14.66 |

TABLE 5R: CCL4
 Timepoint(s): 3, 6 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|---------|-------------|-----------|
| 2433 | 98.86 | 344.09 | 59.51 | 112.71 | 39.33 |
| 19205 | 98.86 | 118.41 | 35.11 | 27.46 | 24.66 |
| 16840 | 98.86 | 802.1 | 147.45 | 2209.27 | 578.15 |
| 1247 | 98.86 | 394.89 | 139.48 | 61.37 | 110.96 |
| 8850 | 98.86 | 273.25 | 61 | 69.08 | 33.51 |
| 23538 | 98.83 | 693.56 | 134.81 | 98.36 | 102.84 |
| 9150 | 98.83 | 1222.88 | 185.42 | 541.27 | 134.79 |
| 16965 | 98.83 | 295.15 | 73.84 | 101.59 | 36.59 |
| 3963 | 98.83 | 122.44 | 35.96 | 431.95 | 110.19 |
| 4942 | 98.83 | 204.76 | 30.06 | 72.78 | 32.14 |
| 23505 | 98.81 | 1598.37 | 236.63 | 559.86 | 206.83 |
| 19031 | 98.81 | 969.56 | 549.87 | 24.91 | 105.96 |
| 10108 | 98.81 | 207.15 | 34.02 | 62.67 | 30.59 |
| 13619 | 98.81 | 325.05 | 122.13 | 79.41 | 69.85 |
| 10594 | 98.81 | 160.51 | 23.56 | 311.73 | 55.47 |
| 21230 | 98.78 | 419.61 | 95.31 | 53.12 | 85.83 |
| 20741 | 98.78 | 139.6 | 15.11 | 21.8 | 29.6 |
| 15469 | 98.78 | 231.5 | 17.65 | 82.35 | 36.41 |
| 4894 | 98.78 | 358.13 | 24.19 | 189.91 | 52.97 |
| 2752 | 98.78 | 257.48 | 55.24 | 905.82 | 265.7 |
| 21654 | 98.75 | 976.32 | 105.17 | 404.54 | 146.49 |
| 16267 | 98.75 | 525.9 | 87 | 194.78 | 53.96 |
| 12965 | 98.75 | 309.33 | 64.95 | 65.22 | 43.1 |
| 20303 | 98.75 | 93.9 | 13.06 | 25.44 | 16.35 |
| 12343 | 98.75 | 164 | 25.68 | 50.44 | 26.33 |
| 17736 | 98.73 | 1365.61 | 587.99 | 46.77 | 192.25 |
| 19229 | 98.73 | 495.04 | 292.9 | 96.51 | 46.31 |
| 2897 | 98.73 | 167.15 | 29.71 | 44.3 | 24.37 |
| 7414 | 98.73 | 742.1 | 213.43 | 180.91 | 85.03 |
| 7161 | 98.73 | 217.02 | 58.52 | 48.34 | 27.31 |
| 4407 | 98.73 | 461.09 | 98.1 | 143.05 | 54.81 |
| 2226 | 98.73 | 133.54 | 26.66 | 440.38 | 119.62 |
| 14292 | 98.7 | 2440.9 | 1615.99 | 423.23 | 196.11 |
| 15557 | 98.7 | 274.54 | 20 | 470.85 | 81.77 |
| 13261 | 98.7 | 171.34 | 33.82 | 27.89 | 39.41 |
| 12794 | 98.7 | 698.16 | 263.66 | 266.05 | 81.96 |
| 14004 | 98.67 | 336.3 | 72.49 | 74.7 | 60.81 |
| 21696 | 98.67 | 469.43 | 62.34 | 180.49 | 68.07 |
| 24146 | 98.67 | 321.22 | 15.49 | 179.9 | 56.48 |
| 17734 | 98.65 | 1730.84 | 626.04 | 92.49 | 280.74 |
| 25643 | 98.65 | 382.31 | 62.02 | 125.53 | 43.81 |
| 7524 | 98.65 | 1301.15 | 140.25 | 573.32 | 159.78 |
| 24388 | 98.65 | 696 | 353.6 | 146.01 | 82.84 |
| 11608 | 98.65 | 70.82 | 12.55 | 20.79 | 11.54 |
| 24469 | 98.65 | 344.48 | 27.49 | 623.12 | 199.62 |
| 15266 | 98.62 | 628 | 72.85 | 308.93 | 77.73 |
| 4171 | 98.62 | 355.59 | 52.61 | 155.68 | 61.97 |
| 18999 | 98.62 | 412.02 | 127.59 | 152.57 | 54.66 |
| 2099 | 98.62 | 860.94 | 104.52 | 451.67 | 98.49 |
| 11484 | 98.62 | 225.2 | 109.92 | 24.87 | 41.91 |
| 17154 | 98.57 | 572.08 | 113 | 187.41 | 76.45 |

| TABLE 5R: CCL4 | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18584 | 98.57 | 101.66 | 19.12 | 27.81 | 16.21 |
| 18396 | 98.54 | 250.91 | 90.16 | 44.66 | 45.13 |
| 16964 | 98.52 | 112.52 | 41.61 | 34.67 | 12.96 |
| 21989 | 98.49 | 168.48 | 57.81 | 60.38 | 16.42 |
| 21123 | 98.49 | 288.69 | 86.67 | 948.59 | 277.63 |
| 1261 | 98.46 | 278.97 | 35.13 | 90.83 | 43.02 |
| 17779 | 98.46 | 200.92 | 17.81 | 403.07 | 139.25 |
| 3203 | 98.46 | 523.66 | 63.95 | 204.56 | 76.64 |
| 14003 | 98.46 | 546.55 | 150.75 | 155.32 | 99.91 |
| 24596 | 98.46 | 261.04 | 57.85 | 77 | 42.84 |
| 13499 | 98.44 | 247.5 | 92.07 | 50.33 | 35.51 |
| 1841 | 98.44 | 174.45 | 18.33 | 47.12 | 52.27 |
| 20725 | 98.44 | 221.69 | 23.63 | 434.8 | 85.77 |
| 15839 | 98.41 | 159.71 | 15.04 | 334.99 | 86.74 |
| 16013 | 98.41 | 73.9 | 13.06 | 26.63 | 10.55 |
| 17427 | 98.41 | 442.23 | 89.18 | 1123.17 | 248.1 |
| 2686 | 98.38 | 140.88 | 14 | 61.31 | 26.92 |
| 2098 | 98.36 | 296.8 | 52.59 | 132.48 | 39.41 |
| 22865 | 98.33 | 84.22 | 16.52 | 33.01 | 13.62 |
| 20917 | 98.33 | 384.28 | 101.08 | 110.21 | 46.71 |
| 20386 | 98.33 | 813.63 | 131.65 | 253.1 | 124.03 |
| 652 | 98.3 | 707.19 | 168.08 | 79.9 | 109.33 |
| 21653 | 98.3 | 614.7 | 96.08 | 263.68 | 89.49 |
| 3454 | 98.28 | 376.24 | 213.33 | 70.49 | 41.75 |
| 16535 | 98.28 | 394.93 | 100.18 | 1180.15 | 435.02 |
| 11405 | 98.22 | 110.13 | 13.67 | 39.33 | 19.84 |
| 23343 | 98.17 | 72.52 | 17.26 | 24.66 | 13.59 |
| 15487 | 98.17 | 235.67 | 74.15 | 64.8 | 29.61 |
| 1521 | 98.14 | 451.79 | 70.46 | 150.77 | 74.49 |
| 14822 | 98.14 | 422.28 | 113.63 | 140.33 | 50.8 |
| 6891 | 98.12 | 1762.35 | 650.92 | 539.92 | 206.62 |
| 17599 | 98.09 | 148.14 | 48.1 | 43.77 | 27.85 |
| 20708 | 98.06 | 95.14 | 17.14 | 33.88 | 18.11 |
| 3455 | 98.06 | 696.64 | 186.22 | 234.44 | 123.5 |
| 15489 | 98.06 | 156.9 | 18.65 | 76.22 | 23.38 |
| 15265 | 98.04 | 519.21 | 104.55 | 235.65 | 75.36 |
| 3202 | 98.04 | 694.27 | 103.9 | 230.56 | 100.47 |
| 23302 | 98.01 | 171.94 | 85.54 | 36.27 | 19.41 |
| 17226 | 98.01 | 597.37 | 62.52 | 1107.82 | 235.64 |
| 9815 | 97.99 | 215.07 | 54.25 | 75 | 26.83 |
| 17311 | 97.93 | 167.58 | 26.5 | 76.97 | 30.44 |
| 9745 | 97.93 | 52.85 | 9.28 | 20.2 | 8.76 |
| 15680 | 97.93 | 365.92 | 76.84 | 141.95 | 57.6 |
| 15995 | 97.93 | 700.19 | 275.15 | 100.35 | 149.2 |
| 19768 | 97.91 | 783.1 | 280.56 | 280.55 | 122.56 |
| 4282 | 97.91 | 495.44 | 106.03 | 1623.5 | 555.97 |
| 18731 | 97.85 | 243.22 | 32.46 | 131.34 | 31.87 |
| 15011 | 97.83 | 176.79 | 13.84 | 82.55 | 33.07 |
| 17530 | 97.83 | 71.94 | 8.5 | 256.97 | 108.02 |
| 2577 | 97.83 | 189.24 | 25.15 | 78 | 31.18 |
| 21670 | 97.8 | 83.35 | 21.31 | 25.73 | 15.06 |

| TABLE 5R: CGL4 | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23950 | 97.8 | 100.27 | 16.13 | 40.96 | 15.41 |
| 25618 | 97.8 | 542.4 | 51.08 | 281.65 | 140.72 |
| 17379 | 97.77 | 337.8 | 34.18 | 117.76 | 70.29 |
| 25496 | 97.75 | 191.87 | 40.42 | 88.96 | 39.35 |
| 4327 | 97.72 | 159.36 | 24.83 | 51.28 | 33.42 |
| 20755 | 97.72 | 242.86 | 61.02 | 55.3 | 62.98 |
| 25203 | 97.69 | 96.94 | 38.36 | 24.73 | 16.47 |
| 15083 | 97.69 | 80.76 | 19.1 | 27.27 | 14.34 |
| 15324 | 97.69 | 67.26 | 11.56 | 29.55 | 10.35 |
| 21122 | 97.69 | 666.25 | 69.55 | 1527.72 | 489.13 |
| 4433 | 97.67 | 189.09 | 22.35 | 104.74 | 25.81 |
| 15426 | 97.67 | 151.69 | 11.27 | 266.5 | 62.92 |
| 1262 | 97.64 | 149.23 | 23.35 | 48.6 | 30.4 |
| 16495 | 97.64 | 311.33 | 25.08 | 557.89 | 151.32 |
| 20518 | 97.64 | 42.18 | 9.55 | 92.89 | 28.62 |
| 4527 | 97.61 | 96.07 | 31.08 | 33.33 | 13.82 |
| 21707 | 97.59 | 212.82 | 31.29 | 40.75 | 52.01 |
| 24295 | 97.59 | 29.77 | 5.61 | 61.48 | 15.44 |
| 15997 | 97.59 | 993.97 | 330.76 | 127.05 | 180.56 |
| 20735 | 97.59 | 615.07 | 101.42 | 188.56 | 130.36 |
| 25279 | 97.53 | 376.76 | 59.87 | 191.72 | 88.04 |
| 3071 | 97.53 | 159.18 | 39.82 | 55.55 | 23.32 |
| 18715 | 97.51 | 502.95 | 105.88 | 195.53 | 74.69 |
| 1764 | 97.51 | 164.48 | 38.37 | 64.89 | 25.87 |
| 15996 | 97.48 | 648.65 | 145.22 | 106.83 | 134.2 |

| TABLE 5S: CHLOROFORM | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1698 | 98.51 | 1026.18 | 160.21 | 207.5 | 206.39 |
| 3650 | 97.58 | 91.37 | 23.19 | 35.71 | 20.82 |
| 11363 | 97.29 | 878.58 | 58.68 | 502.12 | 172.77 |
| 24048 | 97.19 | 914.74 | 77.01 | 526.63 | 176.68 |
| 17693 | 96.58 | 440.49 | 118.87 | 209.5 | 127.32 |
| 21052 | 96.52 | 75.18 | 22.88 | 292 | 108.97 |
| 17879 | 96.47 | 145.62 | 9.63 | 292.53 | 97.44 |
| 21054 | 96.36 | 154.08 | 23.04 | 517.15 | 208.09 |
| 23147 | 96.13 | 344.07 | 62.8 | 177.07 | 84.23 |
| 13574 | 96.07 | 145.4 | 12.84 | 306.84 | 94.01 |
| 16331 | 95.97 | 383.43 | 34.37 | 624.47 | 138.73 |
| 23835 | 95.94 | 129.05 | 12.22 | 67.5 | 32.77 |
| 19269 | 95.89 | 722.37 | 71.77 | 478.25 | 132.04 |
| 18642 | 95.86 | 380.48 | 76.72 | 828.49 | 218.16 |
| 18419 | 95.83 | 425.27 | 19.34 | 604.62 | 125.81 |
| 4187 | 95.75 | 81.61 | 10.56 | 25.38 | 28.98 |
| 229 | 95.73 | 411.49 | 47.15 | 681.58 | 159.02 |
| 5235 | 95.57 | 419.63 | 54.94 | 277.47 | 62.34 |
| 13164 | 95.38 | 4061.26 | 192.05 | 3792.73 | 2475.63 |
| 7887 | 95.3 | 241.94 | 25.5 | 144.43 | 79.78 |
| 16330 | 95.17 | 130.26 | 24.42 | 278.43 | 77.95 |
| 11321 | 95.14 | 319.83 | 57.09 | 196.51 | 49.03 |
| 1291 | 95.04 | 226.1 | 24.49 | 131.87 | 43.37 |
| 2339 | 94.85 | 859.71 | 128.51 | 534.59 | 128.92 |
| 12312 | 94.82 | 423.49 | 129.08 | 974.52 | 266.11 |
| 5696 | 94.75 | 112.23 | 29.12 | 298.61 | 106.77 |
| 23417 | 94.61 | 390.49 | 71.48 | 229.34 | 72.03 |
| 11291 | 94.53 | 45.99 | 5.76 | 84.42 | 26.18 |
| 14717 | 94.53 | 412 | 49.52 | 699.51 | 156.26 |
| 2874 | 94.51 | 104.89 | 10.71 | 44.65 | 39.9 |
| 6967 | 94.45 | 262.45 | 23.84 | 401.85 | 85.39 |
| 20386 | 94.43 | 406.83 | 37.75 | 254.24 | 127.82 |
| 1264 | 94.24 | 4746.55 | 317.98 | 4273.51 | 3342.66 |
| 16950 | 94.21 | 107.88 | 24.75 | 50.8 | 28.44 |
| 16922 | 94.21 | 446.17 | 63.09 | 835.72 | 195.15 |
| 16274 | 94.19 | 3918.47 | 367.71 | 4095.71 | 2903.05 |
| 1867 | 94.19 | 994.23 | 143.58 | 628.96 | 164 |
| 18095 | 94.19 | 1279.13 | 265.77 | 866.9 | 213.89 |
| 1959 | 94.16 | 2346.97 | 266.28 | 2985.07 | 1819.98 |
| 2632 | 94.08 | 197.56 | 14.25 | 140.56 | 30.34 |
| 12639 | 94.03 | 1480.19 | 215.18 | 1100.48 | 174.35 |
| 3167 | 94.03 | 490.05 | 61.74 | 276.65 | 104.77 |
| 22601 | 93.98 | 358.75 | 64.82 | 215.51 | 66.86 |
| 13294 | 93.9 | 520.88 | 49.01 | 347.57 | 107.05 |
| 24135 | 93.87 | 210.45 | 25.46 | 112.71 | 98.41 |
| 25479 | 93.87 | 657.86 | 120.96 | 1192.36 | 283.85 |
| 21120 | 93.68 | 177.75 | 26.51 | 107.33 | 34.74 |
| 17109 | 93.6 | 4837.18 | 479.82 | 4960.42 | 4396.98 |
| 6632 | 93.6 | 396.47 | 75.47 | 233.98 | 99.31 |
| 5703 | 93.5 | 120.47 | 15.8 | 209.61 | 64.01 |
| 1301 | 93.47 | 97.12 | 58.89 | 1382.83 | 961.51 |

TABLE 5S: CHLOROFORM
 Timepoint(s): 6, 24 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 14533 | 93.42 | 5382.82 | 597.96 | 5068.79 | 4887.41 |
| 19300 | 93.37 | 126.46 | 11.79 | 120.6 | 105.77 |
| 18831 | 93.29 | 3838.52 | 845 | 2441.18 | 729.9 |
| 16401 | 93.26 | 5666.92 | 728.09 | 5366.55 | 5006.22 |
| 2486 | 93.26 | 296.6 | 32.75 | 519.88 | 164.96 |
| 23152 | 93.23 | 803.87 | 39.59 | 595 | 262.75 |
| 14289 | 93.23 | 70.48 | 8.98 | 34.7 | 23.24 |
| 9254 | 93.21 | 108.58 | 16.61 | 184.02 | 48.24 |
| 25701 | 93.15 | 71.44 | 11.51 | 141.12 | 46.99 |
| 17112 | 93.13 | 4738.09 | 511.73 | 4697.94 | 3970.99 |
| 21562 | 93.05 | 334.43 | 59.91 | 619.51 | 182.78 |
| 22686 | 92.99 | 224.83 | 33.67 | 154.85 | 39.39 |
| 8988 | 92.94 | 22.01 | 12.02 | 90.11 | 53.34 |
| 22986 | 92.81 | 149.8 | 16.77 | 92.36 | 31.79 |
| 2578 | 92.78 | 232.68 | 29.72 | 159.8 | 49.22 |
| 14455 | 92.75 | 117.56 | 37.88 | 300.46 | 117.41 |
| 22805 | 92.57 | 350.99 | 24.57 | 271.98 | 50.87 |
| 6357 | 92.54 | 354.03 | 26.07 | 278.38 | 40.24 |
| 23120 | 92.54 | 443.21 | 51.99 | 327.64 | 65.59 |
| 15905 | 92.52 | 100.56 | 4.52 | 78.27 | 26.87 |
| 15017 | 92.49 | 4262.1 | 405.91 | 3977.48 | 2712.1 |
| 15160 | 92.49 | 163.37 | 17.92 | 73.92 | 57.85 |
| 14535 | 92.46 | 3649.08 | 394.38 | 3683.17 | 2368.35 |
| 17297 | 92.44 | 705.32 | 52.18 | 986.51 | 213.33 |
| 2918 | 92.41 | 603.54 | 61.21 | 435.77 | 137.75 |
| 14844 | 92.36 | 306.74 | 9.42 | 273.31 | 87.62 |
| 463 | 92.33 | 33.05 | 3.04 | 21.01 | 9.15 |
| 14983 | 92.22 | 4085.75 | 509.85 | 4036.01 | 3467.2 |
| 5242 | 92.22 | 63.44 | 9.39 | 35.94 | 23.04 |
| 21439 | 92.17 | 36.83 | 20.04 | 144.12 | 74.65 |
| 22582 | 92.14 | 189.83 | 67.17 | 438.63 | 142.34 |
| 4093 | 92.14 | 817.52 | 94.67 | 569.56 | 162.3 |
| 9963 | 92.12 | 296.03 | 91.08 | 755.79 | 299.64 |
| 6478 | 92.09 | 3371.04 | 241.34 | 3235.32 | 1806.55 |
| 7681 | 92.09 | 187.13 | 23.86 | 119.83 | 151.47 |
| 11416 | 92.09 | 175.59 | 22.41 | 115.85 | 36.61 |
| 2433 | 92.09 | 168.23 | 22.22 | 113.21 | 41.39 |
| 6237 | 92.06 | 351.73 | 47.56 | 626.46 | 217.46 |
| 6157 | 92.06 | 128.59 | 63.75 | 368.4 | 174.91 |
| 2917 | 92.04 | 547.9 | 65.94 | 385.71 | 105.91 |
| 21965 | 92.01 | 397.48 | 15.52 | 326.88 | 111.61 |
| 12524 | 91.99 | 574.54 | 70.55 | 392.09 | 111.97 |
| 24321 | 91.96 | 377.58 | 118.35 | 802.34 | 260.94 |
| 5150 | 91.91 | 347.25 | 27.13 | 252.7 | 100.47 |
| 18369 | 91.88 | 83.13 | 17.65 | 158.24 | 58.47 |
| 25325 | 91.85 | 1492.66 | 266.62 | 1624.4 | 1181.5 |
| 16132 | 91.83 | 3510.5 | 334.58 | 3404.46 | 2228.63 |
| 8820 | 91.81 | 160.03 | 74.11 | 42.21 | 32.25 |
| 2587 | 91.8 | 1007.88 | 165.37 | 1651.59 | 458.35 |
| 4213 | 91.75 | 4768.17 | 517.28 | 4465.84 | 3879.96 |
| 16135 | 91.72 | 3542.31 | 360.64 | 3563.3 | 2542.93 |

| TABLE 5S: CHLOROFORM | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20864 | 91.68 | 2218.86 | 659.9 | 463.85 | 361.94 |
| 25439 | 91.51 | 2750.3 | 337.84 | 2576.24 | 1801.84 |
| 6403 | 91.51 | 101.08 | 23.11 | 59.16 | 28.95 |
| 25064 | 91.43 | 1658.04 | 147.59 | 1186.11 | 356.78 |
| 20385 | 91.43 | 1284.1 | 109.61 | 958.15 | 280.55 |
| 6109 | 91.35 | 3458.19 | 424.55 | 3589.94 | 2271.01 |
| 17556 | 91.27 | 369.94 | 126.96 | 1013.01 | 481.72 |
| 19421 | 91.24 | 3278.13 | 238.08 | 2946.85 | 1758.3 |
| 21152 | 91.22 | 4050.56 | 420.97 | 3591.86 | 2480.65 |
| 15127 | 91.08 | 1100.03 | 176.98 | 691.7 | 326.55 |
| 24434 | 91.08 | 75.59 | 41.77 | 233.63 | 99.98 |
| 6601 | 91.06 | 78.16 | 11.75 | 47.96 | 27.24 |
| 5622 | 91.03 | 1153.47 | 90.24 | 1597.32 | 376.89 |
| 14534 | 90.95 | 5214.14 | 638.84 | 4597.01 | 3861.97 |
| 14003 | 90.91 | 358.1 | 105.3 | 155.7 | 101.61 |
| 25480 | 90.87 | 304.85 | 92.18 | 607.01 | 192.84 |
| 17111 | 90.79 | 4713.84 | 648.01 | 4311.5 | 3704.57 |
| 1247 | 90.78 | 191.1 | 72.3 | 61.88 | 112.43 |
| 4254 | 90.71 | 4197.28 | 524.51 | 4012.97 | 2555.4 |
| 23670 | 90.71 | 3554.94 | 587.43 | 3553.81 | 2377.51 |
| 1958 | 90.68 | 3307.6 | 376.65 | 3322.31 | 1947.51 |
| 13575 | 90.66 | 54.45 | 8.77 | 113.49 | 48.37 |
| 15124 | 90.63 | 1806.5 | 204.59 | 1349.16 | 447.11 |
| 22537 | 90.63 | 181.08 | 56.15 | 409.14 | 165.31 |
| 18375 | 90.58 | 126.1 | 14.44 | 91.34 | 31.59 |
| 17512 | 90.55 | 321.62 | 22.21 | 426.9 | 102.97 |
| 16400 | 90.5 | 5044.8 | 654.29 | 4459.51 | 3326.87 |
| 25051 | 90.47 | 2781.06 | 275.87 | 2693.41 | 1554.51 |
| 16275 | 90.42 | 3576.01 | 401.31 | 3435.09 | 2264.21 |
| 17740 | 90.31 | 2314.24 | 183.74 | 2197.72 | 959.51 |
| 15535 | 90.31 | 709.04 | 67.82 | 519.81 | 136.99 |
| 8899 | 90.31 | 638.2 | 71.63 | 907.27 | 199.96 |
| 15462 | 90.23 | 364.1 | 69.92 | 546.13 | 120.02 |
| 17092 | 90.17 | 165.26 | 74.28 | 80.44 | 46.1 |
| 19679 | 90.15 | 176.94 | 67.51 | 391.26 | 140.79 |
| 20700 | 90.1 | 3026.81 | 303.41 | 2943.79 | 1601.29 |
| 2078 | 90.07 | 154.54 | 20.05 | 226.25 | 56.33 |
| 17787 | 90.02 | 1425.8 | 223.77 | 1563.93 | 1005.39 |
| 6017 | 89.94 | 176.77 | 72.97 | 784.04 | 505.84 |
| 22025 | 89.94 | 2750.39 | 295.59 | 2698.62 | 1739.85 |
| 15977 | 89.92 | 1258.29 | 69.49 | 1481.76 | 363.87 |
| 1529 | 89.81 | 375.26 | 73.84 | 570.86 | 127.87 |
| 15850 | 89.81 | 1621.86 | 170.59 | 1236.92 | 298.98 |
| 18597 | 89.69 | 1033.3 | 244.85 | 603.46 | 198.84 |
| 11635 | 89.6 | 165.1 | 38.21 | 292.09 | 88.42 |
| 18023 | 89.57 | 44.76 | 4.27 | 32.69 | 16.24 |
| 4198 | 89.54 | 770.56 | 96.78 | 1092.04 | 232.07 |
| 24811 | 89.23 | 949.05 | 277.46 | 1506.63 | 457.27 |
| 1818 | 89.23 | 1880.72 | 160.32 | 2112.05 | 832.53 |
| 10886 | 89.12 | 488.98 | 188.27 | 978.76 | 410.42 |
| 17541 | 89.08 | 3133.01 | 516.66 | 1624.18 | 633.7 |

| TABLE 5S: CHLOROFORM | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2010 | 88.99 | 2685.61 | 201.01 | 2685.53 | 1264.49 |
| 10504 | 88.93 | 633.53 | 107.87 | 954.15 | 261.4 |

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

TABLE 5T: C1-1000
Timepoint(s): 6 hrs
GLGC

| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|------------|-----------|----------|---------|-------------|-----------|
| 9348 | 98.49 | 1119.06 | 106.68 | 240.12 | 258.7 |
| 1689 | 98.44 | 11663.03 | 769.78 | 4841.79 | 2231.75 |
| 6176 | 98.33 | 134.25 | 5.78 | 69.69 | 37.39 |
| 26150 | 98.22 | 2816.27 | 190.75 | 947.13 | 757.25 |
| 18831 | 98.09 | 1346.77 | 61.75 | 2450.01 | 734.56 |
| 25469 | 97.93 | 4103.86 | 466.15 | 1622.37 | 743.26 |
| 3695 | 97.46 | 84.74 | 0.74 | 69.03 | 32.02 |
| 17832 | 97.24 | 5980.7 | 968.47 | 2559.55 | 1128.7 |
| 17705 | 97.24 | 87.47 | 2.17 | 131.3 | 38.88 |
| 25468 | 97.22 | 5871.4 | 822.1 | 2315.04 | 1088.73 |
| 15190 | 97.19 | 5805.82 | 413.05 | 1830.41 | 1706.66 |
| 2978 | 97.11 | 254.71 | 2.81 | 200.07 | 43.28 |
| 10084 | 97.03 | 325.12 | 10 | 208.71 | 72.05 |
| 900 | 97.01 | 72.3 | 0.57 | 85.65 | 30.23 |
| 1831 | 96.9 | 166.28 | 42.24 | 65.9 | 44.07 |
| 16448 | 96.87 | 221.4 | 10.34 | 129.59 | 47.69 |
| 1687 | 96.85 | 5019.6 | 913.56 | 1963.38 | 912.68 |
| 18702 | 96.77 | 30.93 | 1.62 | 59.35 | 24.22 |
| 18907 | 96.66 | 204.05 | 60.82 | 72.17 | 44.75 |
| 19358 | 96.63 | 2395.5 | 432.8 | 1028.14 | 440 |
| 18973 | 96.53 | 408.27 | 6.44 | 330.36 | 81.06 |
| 20704 | 96.5 | 1935.12 | 66.06 | 1302.84 | 849.41 |
| 16518 | 96.45 | 321.92 | 36.91 | 774.58 | 339.34 |
| 20827 | 96.45 | 4685.64 | 104.07 | 3331.65 | 1146.08 |
| 8440 | 96.45 | 84.28 | 2 | 134.58 | 53.16 |
| 16093 | 96.34 | 251.65 | 5.62 | 330.3 | 73.8 |
| 26029 | 96.32 | 524.68 | 85.69 | 197.34 | 331.42 |
| 4421 | 96.26 | 31.04 | 0.56 | 24.91 | 14.99 |
| 2911 | 96.26 | 1149.56 | 10.22 | 1186.85 | 363.84 |
| 1684 | 96.24 | 7293.26 | 1206.98 | 2884.54 | 1702 |
| 1588 | 96.16 | 125.56 | 10.3 | 234.96 | 84.86 |
| 18830 | 95.52 | 1531.89 | 110.26 | 2709.7 | 970.19 |
| 15192 | 95.52 | 643.74 | 107.72 | 290.8 | 246.84 |
| 11168 | 95.42 | 28.18 | 3.88 | 66.66 | 41.37 |
| 15189 | 95.1 | 5549.7 | 1134.44 | 1652.01 | 1653.26 |
| 1688 | 95.07 | 14035.38 | 1640.74 | 5499.6 | 4116.85 |
| 1830 | 95.05 | 64.95 | 18.63 | 21.65 | 18.89 |
| 15191 | 94.99 | 4136.71 | 785.92 | 1214.16 | 1325.62 |
| 22358 | 94.86 | 195.25 | 6.77 | 136.73 | 50.51 |
| 18779 | 94.75 | 168.9 | 6.08 | 115.42 | 48.42 |
| 16106 | 94.7 | 31.12 | 0.59 | 37.35 | 9.79 |
| 12513 | 94.62 | 61.5 | 2.62 | 86.95 | 44.13 |
| 15152 | 94.52 | 79.23 | 2 | 69.15 | 48.04 |
| 22452 | 94.46 | 968.4 | 164.48 | 398.16 | 337.68 |
| 16799 | 94.41 | 49.78 | 1.54 | 42.9 | 28.15 |
| 25689 | 94.36 | 517.69 | 30.83 | 848.73 | 396.58 |
| 17516 | 94.17 | 168.93 | 9.54 | 250.4 | 79.22 |
| 14934 | 94.14 | 55.19 | 0.68 | 64.32 | 15.7 |
| 18277 | 94.12 | 557.56 | 20.35 | 740.89 | 141.7 |
| 7248 | 94.09 | 38.08 | 7.5 | 89.66 | 55.5 |
| 21941 | 94.01 | 344.6 | 12.95 | 462.37 | 110.4 |

TABLE 5T: CI-1000
 Timepoint(s): 6 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| CLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|----------------|-----------|----------|--------|-------------|-----------|
| 15069 | 94.01 | 471.57 | 80.38 | 902.27 | 383.19 |
| 17829 | 93.99 | 4333.9 | 486.1 | 2369.17 | 1195.49 |
| 4424 | 93.91 | 56.64 | 3.41 | 31.04 | 23.58 |
| 17413 | 93.83 | 659.19 | 23.08 | 909.61 | 227.55 |
| 20385 | 93.83 | 578.63 | 67.26 | 960.53 | 280.5 |
| 2335 | 93.8 | 431.55 | 66.41 | 245.92 | 87.78 |
| 16895 | 93.77 | 2649.19 | 154.93 | 1709.47 | 560.22 |
| 22628 | 93.72 | 25.58 | 5.22 | 71.3 | 35.43 |
| 11655 | 93.69 | 154.46 | 4.71 | 122 | 38.32 |
| 21510 | 93.69 | 441.54 | 47.3 | 259.53 | 280.2 |
| 13093 | 93.69 | 385.88 | 43.46 | 911.73 | 466.4 |
| 18565 | 93.61 | 162.81 | 32.41 | 344.27 | 115.72 |
| 6073 | 93.61 | 77.04 | 28.13 | 28.03 | 32.82 |
| 12427 | 93.61 | 42.62 | 1.6 | 23.21 | 57.07 |
| 3062 | 93.59 | 4551.37 | 224.62 | 3297.83 | 911.63 |
| 23971 | 93.59 | 88.18 | 2.46 | 94.9 | 52.37 |
| 26213 | 93.56 | 1332.94 | 142.23 | 726.5 | 399.92 |
| 12614 | 93.48 | 39.17 | 1 | 38.82 | 25.57 |
| 4373 | 93.46 | 159.5 | 2.17 | 145.27 | 29.44 |
| 15170 | 93.46 | 278.52 | 15.31 | 195.95 | 56.72 |
| 14539 | 93.43 | 388.71 | 53.49 | 224.66 | 82.82 |
| 5597 | 93.35 | 124.8 | 8.27 | 171.63 | 43.05 |
| 17245 | 93.32 | 121.48 | 25.18 | 47.7 | 38.21 |
| 14030 | 93.3 | 536.36 | 109.06 | 216.3 | 153.4 |
| 13092 | 93.27 | 90.81 | 12.54 | 220.59 | 123.77 |
| 17374 | 93.24 | 159.15 | 4 | 155.64 | 47.69 |
| 2170 | 93.24 | 50.03 | 3.62 | 23.51 | 38.54 |
| 18259 | 93.24 | 29.7 | 9.71 | 139.24 | 145.94 |
| 21520 | 93.19 | 62.39 | 3.52 | 93.61 | 37.7 |
| 9788 | 93.19 | 223.94 | 22.75 | 145.14 | 56.35 |
| 3917 | 93.14 | 1058.13 | 61.96 | 1585.69 | 511.01 |
| 7120 | 93.14 | 70.56 | 21.75 | 26.15 | 24.72 |
| 17941 | 93.11 | 4139.62 | 121.38 | 3532.95 | 1243.32 |
| 9038 | 93.08 | 166.26 | 11.73 | 106.47 | 49.95 |
| 22899 | 93.06 | 214.03 | 22.89 | 115.34 | 58.49 |
| 3015 | 93.03 | 2728.93 | 62.89 | 2090.55 | 844.86 |
| 7317 | 92.98 | 153.22 | 26.42 | 93.94 | 31.35 |
| 6030 | 92.87 | 88.81 | 5.68 | 50.11 | 29.67 |
| 21691 | 92.87 | 207.16 | 11.93 | 129.74 | 71.36 |
| 15028 | 92.87 | 2666.16 | 685.31 | 1745.89 | 514.79 |
| 12638 | 92.82 | 38.16 | 2.07 | 27.67 | 11.9 |
| 24256 | 92.82 | 503.76 | 41.71 | 365.09 | 80.31 |
| 6955 | 92.79 | 830.1 | 14.46 | 764.72 | 168.6 |
| 11138 | 92.79 | 152.11 | 7.87 | 232.89 | 112.5 |
| 16510 | 92.77 | 120.69 | 14.26 | 249.77 | 104.19 |
| 4918 | 92.66 | 138.77 | 9.53 | 207.56 | 103.06 |
| 25460 | 92.66 | 558.43 | 90 | 1147.68 | 555.33 |
| 20042 | 92.63 | 1097.8 | 125.23 | 648.75 | 259.83 |
| 24592 | 92.61 | 165.39 | 25.31 | 80.41 | 78.32 |
| 16947 | 92.55 | 1199.72 | 27.11 | 1152.83 | 323.32 |
| 1173 | 92.47 | 2804.78 | 316.14 | 1568.73 | 699.94 |

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

TABLE 5T: CI-1000
Timepoint(s): 6 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 15070 | 92.26 | 127.65 | 24.33 | 364.34 | 193.53 |
| 23660 | 92.21 | 2040.62 | 192.33 | 1332.13 | 418.16 |
| 13368 | 92.08 | 39.44 | 3.31 | 62.97 | 26.78 |
| 25883 | 91.94 | 3932.88 | 355.54 | 2245.19 | 1050.2 |
| 10887 | 91.94 | 93.73 | 3.33 | 106.04 | 32.97 |
| 20821 | 91.89 | 1644.6 | 43.84 | 1449.04 | 289.09 |
| 3879 | 91.63 | 2574.07 | 131.35 | 1888.13 | 621.48 |
| 14974 | 91.39 | 114.7 | 12.49 | 66.5 | 85.23 |
| 575 | 91.28 | 1380.58 | 285.09 | 904.09 | 309.56 |
| 15931 | 91.12 | 33.91 | 1.6 | 39.37 | 26.03 |
| 10538 | 91.1 | 713.55 | 133.83 | 338.55 | 228.89 |
| 18897 | 91.07 | 62.38 | 14.08 | 122.47 | 46.53 |
| 18619 | 91.02 | 1416 | 36.06 | 1381.4 | 388.65 |
| 5621 | 91.02 | 281.77 | 36.22 | 181.68 | 68.52 |
| 20928 | 91.02 | 100.39 | 10.77 | 182.62 | 104.68 |
| 21153 | 90.91 | 3700.3 | 170.48 | 2825.69 | 936.69 |
| 20998 | 90.89 | 1552.14 | 68.22 | 1246.06 | 337.2 |
| 25579 | 90.83 | 3697.94 | 615.15 | 1967.12 | 1001.84 |
| 2667 | 90.81 | 806.53 | 18.41 | 808.22 | 201.34 |
| 25073 | 90.81 | 24.52 | 1.26 | 21.97 | 13.43 |
| 20430 | 90.78 | 664.84 | 48.53 | 824.6 | 380.17 |
| 25257 | 90.57 | 40.41 | 10.14 | 99.58 | 68.46 |
| 428 | 90.51 | 5291.38 | 342.33 | 3013.89 | 1815.85 |
| 1175 | 90.36 | 1097.38 | 120.72 | 629.33 | 347.89 |
| 15980 | 90.28 | 46.06 | 2.82 | 63.57 | 23.32 |
| 20386 | 90.25 | 134.59 | 21.64 | 255.2 | 127.97 |
| 16562 | 90.2 | 186.65 | 5.61 | 206.42 | 73.55 |
| 12422 | 90.17 | 49.84 | 4.02 | 68.91 | 21.63 |
| 24598 | 90.14 | 145.61 | 5.92 | 183.15 | 42.11 |
| 8212 | 90.09 | 2912.15 | 248.8 | 1978.57 | 730.81 |
| 2744 | 90.06 | 125.31 | 14.76 | 208.22 | 84.44 |
| 20807 | 89.93 | 1034.09 | 39.88 | 909.72 | 212.47 |
| 25370 | 89.88 | 47.15 | 17.84 | 156.67 | 91.78 |
| 16178 | 89.83 | 119 | 5.56 | 154.44 | 38.67 |
| 15803 | 89.69 | 55.6 | 3.15 | 40.87 | 24.45 |
| 16871 | 89.64 | 38.44 | 2.92 | 57.14 | 23.7 |
| 25233 | 89.61 | 32.66 | 2.3 | 42.98 | 22.17 |
| 4244 | 89.61 | 105.22 | 8.16 | 153.57 | 49.47 |
| 10260 | 89.59 | 130.8 | 10.92 | 201.6 | 82.64 |
| 20429 | 89.53 | 483.9 | 39.45 | 624.76 | 261.28 |
| 17693 | 89.53 | 134.8 | 9.36 | 210.68 | 128.25 |
| 1804 | 89.48 | 4358.97 | 669.93 | 2600.59 | 1266.28 |
| 18747 | 89.37 | 68.97 | 7.78 | 156.02 | 124.22 |
| 7040 | 89.32 | 31.75 | 3.06 | 44.97 | 24.18 |
| 13091 | 89.27 | 74.62 | 13.07 | 158.55 | 81.64 |
| 13392 | 89.27 | 124.91 | 7.81 | 147.55 | 54.97 |
| 1130 | 89.22 | 3021.37 | 272.48 | 2117.73 | 612.24 |
| 15347 | 89.19 | 76.44 | 6.45 | 118.12 | 45.9 |
| 24861 | 89.19 | 50.98 | 6.44 | 81.92 | 34.59 |
| 4012 | 89.16 | 3659.54 | 300.47 | 2434.01 | 1159.92 |
| 43 | 89.14 | 336.52 | 17.02 | 435.43 | 131.85 |

TABLE 5T: CI-1000
Timepoint(s): 6 hrs
Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 5798 | 89.11 | 95.1 | 3.6 | 100.23 | 35.19 |
| 18695 | 89.11 | 60.44 | 12.13 | 116.06 | 47.35 |
| 16942 | 89.06 | 2010.3 | 92 | 1432.3 | 498.76 |
| 15376 | 89 | 108.63 | 13.82 | 185.27 | 68.68 |
| 1876 | 89 | 647.53 | 40.04 | 773.9 | 203.34 |
| 14004 | 89 | 30.98 | 4.98 | 75.64 | 62.63 |
| 1602 | 89 | 373.48 | 22.12 | 466.75 | 109.45 |
| 90 | 88.98 | 44.95 | 7.72 | 43.45 | 36.04 |
| 21078 | 88.95 | 642.09 | 31.2 | 738.5 | 215.53 |
| 20126 | 88.95 | 47.69 | 5.61 | 107.78 | 76.42 |
| 16132 | 88.95 | 5548.49 | 617.73 | 3399.23 | 2224.03 |

| TABLE 5U: CLOFIBRATE | | | | | |
|--------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): 24, 72 hrs | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17758 | 99.92 | 4343.21 | 266.24 | 350.65 | 300.88 |
| 16148 | 99.92 | 4832.38 | 271.82 | 1024.63 | 315.29 |
| 20713 | 99.89 | 4038.49 | 187.28 | 708.32 | 486.48 |
| 20711 | 99.81 | 1748.68 | 109.05 | 130.53 | 184.3 |
| 20925 | 99.79 | 3531.08 | 358.1 | 409.89 | 405.06 |
| 18686 | 99.71 | 4822.54 | 404.2 | 694.99 | 568.56 |
| 20555 | 99.66 | 1569.01 | 201.74 | 336.43 | 174.09 |
| 18687 | 99.66 | 4931.26 | 383.45 | 648.45 | 538.77 |
| 18293 | 99.52 | 3927.89 | 314.97 | 1363.17 | 422.7 |
| 20715 | 99.52 | 3850.93 | 506.36 | 373.13 | 383.93 |
| 20714 | 99.52 | 3691.04 | 389.06 | 558.8 | 680.95 |
| 22370 | 99.5 | 639.52 | 35.12 | 266.37 | 102.63 |
| 23698 | 99.44 | 4628.68 | 846.64 | 345.13 | 326.42 |
| 23699 | 99.44 | 3687.73 | 615 | 633.78 | 254.45 |
| 16150 | 99.36 | 2966.93 | 455.8 | 662.49 | 244.25 |
| 16190 | 99.34 | 2283.8 | 349.19 | 753.37 | 196.56 |
| 9598 | 99.28 | 730.57 | 294.8 | 156.27 | 97.78 |
| 26109 | 99.26 | 2652.69 | 536.67 | 139.36 | 222.18 |
| 4272 | 99.23 | 643.72 | 136.8 | 32.17 | 66.91 |
| 6613 | 99.2 | 1727.55 | 232.16 | 715.2 | 222.62 |
| 18175 | 99.2 | 1053.29 | 94.78 | 495.63 | 115.6 |
| 10909 | 99.13 | 3621.5 | 389.28 | 1866.09 | 361.51 |
| 320 | 99.13 | 4073.6 | 333.1 | 2163.76 | 430.02 |
| 18891 | 99.13 | 1311.32 | 273.41 | 298.09 | 158.9 |
| 11228 | 99.1 | 2002.17 | 324.97 | 752.04 | 242.27 |
| 18890 | 99.1 | 3058.12 | 535.31 | 742.82 | 331.65 |
| 4271 | 99.05 | 921.87 | 197.26 | 57.23 | 125.9 |
| 16703 | 98.99 | 2963.52 | 393.12 | 1163.55 | 371.89 |
| 16701 | 98.99 | 5433.88 | 638.56 | 2264.91 | 695.96 |
| 25070 | 98.99 | 1029.95 | 79.96 | 498.56 | 126.32 |
| 5887 | 98.99 | 946.58 | 182.54 | 66.01 | 129.21 |
| 9929 | 98.97 | 1402.26 | 95.75 | 669.81 | 178.07 |
| 22416 | 98.91 | 755.3 | 164.6 | 144.97 | 96.33 |
| 18742 | 98.91 | 1760.78 | 373.07 | 341.02 | 170.33 |
| 22603 | 98.86 | 824.94 | 95.95 | 259.6 | 106.55 |
| 15582 | 98.83 | 18064.61 | 3513.5 | 5681.19 | 2782.99 |
| 16768 | 98.81 | 1244.55 | 138.88 | 492.57 | 157.29 |
| 12094 | 98.78 | 13551.44 | 2053.03 | 4815.03 | 1760.05 |
| 9889 | 98.67 | 3584.95 | 392.45 | 1740.87 | 566.84 |
| 20554 | 98.67 | 1139.45 | 262.06 | 260.89 | 128.06 |
| 18958 | 98.67 | 1064.17 | 327.8 | 323.18 | 118.77 |
| 21010 | 98.59 | 2684.13 | 543.55 | 670.37 | 274 |
| 22602 | 98.57 | 509.16 | 79.42 | 120.78 | 84.99 |
| 22604 | 98.54 | 3217.77 | 515.96 | 1024.21 | 456.07 |
| 26258 | 98.52 | 185.22 | 28.32 | 62.89 | 37.76 |
| 2457 | 98.49 | 1007.51 | 198.15 | 249.94 | 147.3 |
| 14595 | 98.49 | 543.46 | 156.29 | 66.63 | 78.11 |
| 15085 | 98.44 | 3859.87 | 895.71 | 1423.72 | 411.39 |
| 21355 | 98.41 | 2421.28 | 618.95 | 294.87 | 257.53 |
| 21354 | 98.41 | 3336.63 | 699.67 | 416.35 | 370.25 |
| 21078 | 98.38 | 1327.23 | 77.63 | 736.37 | 213.03 |

| TABLE 5U: CLOFIBRATE | | | | | |
|--------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): 24, 72 hrs | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 11488 | 98.38 | 919.49 | 146.95 | 502.88 | 102.68 |
| 17554 | 98.38 | 3432.54 | 274.92 | 1567.61 | 599.69 |
| 3882 | 98.36 | 1464.51 | 214.6 | 739.18 | 257.23 |
| 1728 | 98.33 | 783.36 | 128.64 | 248.59 | 110.26 |
| 16767 | 98.33 | 1354.82 | 126.05 | 603.35 | 194.09 |
| 18957 | 98.22 | 1062.29 | 324.51 | 368.96 | 143.77 |
| 8944 | 98.2 | 220.96 | 29.86 | 48.84 | 60.94 |
| 5602 | 98.2 | 1415.65 | 374.77 | 203.93 | 200.91 |
| 397 | 98.14 | 216.97 | 70.09 | 67.64 | 37.91 |
| 20984 | 98.12 | 1959.77 | 170.24 | 1179.44 | 298.82 |
| 17933 | 98.12 | 388.37 | 45.29 | 128.26 | 70.88 |
| 9268 | 98.09 | 456.37 | 154.17 | 158.65 | 58.95 |
| 17907 | 98.06 | 326.92 | 39.31 | 202.01 | 75.56 |
| 17601 | 98.06 | 22.99 | 7.77 | 102.61 | 39.77 |
| 21341 | 98.01 | 1938.43 | 241.9 | 853.21 | 297.67 |
| 6281 | 97.99 | 512.37 | 48.11 | 324.35 | 58.67 |
| 3917 | 97.96 | 3349.54 | 340.65 | 1578.68 | 501.75 |
| 3860 | 97.96 | 1081.59 | 238.46 | 392.5 | 156.93 |
| 23427 | 97.93 | 917.62 | 239.04 | 313.02 | 109.95 |
| 21730 | 97.88 | 598.68 | 206.3 | 218.13 | 71.08 |
| 4940 | 97.83 | 683.55 | 132.09 | 1611.12 | 445.42 |
| 9757 | 97.8 | 494.26 | 56.87 | 282.13 | 68.97 |
| 14267 | 97.77 | 2984.22 | 680.98 | 1184.96 | 371.98 |
| 1977 | 97.72 | 1020.16 | 170.93 | 366.19 | 168.41 |
| 9192 | 97.69 | 4096.9 | 708.35 | 1616.91 | 652.35 |
| 20705 | 97.67 | 221.95 | 33.02 | 1030.04 | 949.07 |
| 23884 | 97.64 | 925.8 | 122.04 | 489.63 | 135.64 |
| 5622 | 97.64 | 922.33 | 62.09 | 1597.59 | 375.9 |
| 14987 | 97.61 | 1228.83 | 106.11 | 634 | 216.18 |
| 12071 | 97.61 | 265.94 | 25.71 | 636.69 | 183.04 |
| 20859 | 97.59 | 101.49 | 17.4 | 41.86 | 20.29 |
| 7274 | 97.56 | 196.38 | 35.41 | 76.78 | 53.53 |
| 22598 | 97.53 | 497.2 | 54.98 | 998.96 | 358.46 |
| 1588 | 97.53 | 112.74 | 10.64 | 235.05 | 84.79 |
| 7420 | 97.53 | 1589.12 | 124.08 | 849.99 | 310.11 |
| 2888 | 97.51 | 5090.37 | 1013.68 | 2667.52 | 735.19 |
| 12095 | 97.51 | 4554.54 | 1260.62 | 1028.41 | 963.8 |
| 15124 | 97.51 | 2386.45 | 98.41 | 1347.8 | 444.17 |
| 3279 | 97.43 | 1355.2 | 310.06 | 696.96 | 189.95 |
| 6439 | 97.43 | 552.98 | 103.15 | 250.84 | 106.45 |
| 18867 | 97.43 | 342.54 | 49.74 | 827.42 | 221.91 |
| 3439 | 97.4 | 236.56 | 73.58 | 77.41 | 39.17 |
| 3121 | 97.38 | 1549.14 | 223.41 | 816.14 | 246.95 |
| 14608 | 97.3 | 458.62 | 116.38 | 143.07 | 79.39 |
| 2997 | 97.3 | 816.62 | 190.44 | 373.39 | 117.76 |
| 19706 | 97.3 | 77.93 | 7.9 | 30.12 | 19.66 |
| 15580 | 97.27 | 4145.83 | 506.31 | 2241.47 | 622.83 |
| 9931 | 97.27 | 1120.73 | 160.22 | 613.76 | 152.17 |
| 15391 | 97.24 | 1403.72 | 60.04 | 985.38 | 181.31 |
| 16721 | 97.22 | 538.92 | 117.91 | 259.31 | 72.3 |
| 15755 | 97.19 | 359.09 | 47.16 | 741.61 | 180.12 |

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Document No. 1935828.1

Attorney Docket 44921-5033-01-WO
Document No. 1965828.1

TABLE 5U: CLOFIBRATE
Timepoint(s): 24, 72 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 1448 | 97.19 | 1513.44 | 141.66 | 1026.35 | 174.25 |
| 20998 | 97.14 | 662.89 | 63.54 | 1248.73 | 336.04 |
| 20896 | 97.14 | 133.96 | 19.91 | 51.41 | 36.24 |
| 20915 | 97.08 | 1874.74 | 547.14 | 531.17 | 357.71 |
| 6780 | 97.08 | 1478.51 | 242.15 | 784.31 | 188.66 |
| 16546 | 96.95 | 483.39 | 75.63 | 190.97 | 85.98 |
| 20385 | 96.9 | 1722.6 | 211.5 | 957.1 | 277.74 |
| 23336 | 96.74 | 82.28 | 13.47 | 24.34 | 24.41 |
| 15126 | 96.58 | 2472.12 | 192.84 | 1272.01 | 536.04 |
| 5497 | 96.47 | 268.56 | 52.04 | 643.53 | 187.59 |
| 9125 | 96.47 | 430.68 | 19.22 | 637.3 | 138.22 |
| 9423 | 96.42 | 406.36 | 57 | 816.82 | 299.71 |
| 15601 | 96.31 | 542.49 | 77.82 | 311.02 | 81.12 |
| 19679 | 96.24 | 102.17 | 46.76 | 391.28 | 140.5 |
| 4199 | 96.08 | 570.28 | 34.8 | 893.23 | 205.08 |
| 15409 | 95.94 | 1695.04 | 435.99 | 596.51 | 278.51 |
| 15125 | 95.92 | 3141.59 | 357.01 | 1644.35 | 618.57 |
| 16435 | 95.86 | 641.65 | 99.05 | 403.2 | 92.68 |
| 20789 | 95.86 | 301.49 | 35.02 | 673.71 | 228.21 |
| 17934 | 95.84 | 420.47 | 70.14 | 176.47 | 91.01 |
| 19391 | 95.76 | 106.23 | 30.01 | 320.84 | 127.13 |
| 23344 | 95.68 | 198.58 | 22.06 | 376.74 | 127.18 |
| 18361 | 95.63 | 816.14 | 113.28 | 423.56 | 180.45 |
| 4198 | 95.6 | 696.37 | 52.9 | 1091.93 | 231.88 |
| 5496 | 95.55 | 198.29 | 57.48 | 493.64 | 155.04 |
| 15408 | 95.52 | 882.69 | 232.18 | 290.68 | 161.55 |
| 17807 | 95.52 | 3710.41 | 370.55 | 2042.29 | 723.87 |
| 23778 | 95.52 | 104.01 | 32.08 | 33.88 | 44.51 |
| 420 | 95.52 | 268.23 | 28.95 | 117.26 | 70.6 |
| 20807 | 95.49 | 1184.2 | 42.45 | 909.18 | 212.05 |
| 15175 | 95.41 | 354.67 | 24.95 | 231.61 | 67.27 |
| 19831 | 95.33 | 55.1 | 5.13 | 109.2 | 38.26 |
| 16535 | 95.23 | 2237.41 | 263.73 | 1174.29 | 432.96 |
| 17752 | 95.2 | 246.91 | 27.29 | 472.26 | 141.98 |
| 2368 | 95.15 | 778.62 | 49.59 | 1082.87 | 201.61 |
| 11982 | 94.99 | 118.82 | 5.95 | 186.38 | 57.29 |
| 4407 | 94.99 | 65.96 | 8.89 | 144.31 | 57.72 |
| 24722 | 94.91 | 460.51 | 72.03 | 824.22 | 216.67 |
| 4473 | 94.91 | 26.49 | 3.24 | 55.54 | 22.35 |
| 15872 | 94.83 | 207.44 | 49.53 | 499.69 | 169.76 |
| 32 | 94.75 | 424.08 | 20.75 | 296.77 | 83.18 |
| 7927 | 94.75 | 76.06 | 38.92 | 286.68 | 116.24 |
| 17886 | 94.75 | 714.79 | 133.15 | 1253.26 | 424.96 |
| 2149 | 94.67 | 593.63 | 63.58 | 972.93 | 221.98 |
| 3844 | 94.67 | 125.56 | 21.18 | 66.73 | 28.7 |
| 15127 | 94.67 | 1402.98 | 197.11 | 691.16 | 325.01 |
| 21849 | 94.62 | 243.88 | 13.57 | 156.96 | 60.6 |
| 20703 | 94.57 | 62.56 | 49.61 | 451.21 | 482.8 |
| 16847 | 94.57 | 964.06 | 60.35 | 716.81 | 171.47 |
| 24535 | 94.54 | 261.56 | 52.28 | 609.69 | 205.34 |
| 23660 | 94.41 | 501.98 | 224.21 | 1336.65 | 417.15 |

| TABLE 5V: COLCHICINE | | | | | |
|--------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | | | |
| GLGC Identifier | LDA Score | Tox Mean | Tox SD | NonTox Mean | NonTox SD |
| 22852 | 99.02 | 930.09 | 103.59 | 404.94 | 141.26 |
| 14184 | 98.81 | 613.16 | 114.48 | 195.53 | 106.93 |
| 14185 | 98.7 | 1105.25 | 252.52 | 313.86 | 179.44 |
| 20529 | 98.14 | 795.85 | 286.58 | 129.22 | 186.3 |
| 20783 | 98.09 | 165.38 | 29.95 | 51.81 | 40.33 |
| 20869 | 98.04 | 173.46 | 44.44 | 59.95 | 48.66 |
| 7743 | 98.01 | 218.51 | 24.38 | 111.11 | 54.34 |
| 22897 | 98.01 | 136.82 | 41.12 | 42.67 | 24.36 |
| 20698 | 97.96 | 2770.67 | 743.06 | 891.64 | 430.09 |
| 3438 | 97.88 | 139.37 | 41.23 | 39.05 | 23.66 |
| 20701 | 97.88 | 2652.49 | 668.34 | 875.67 | 375.55 |
| 14927 | 97.8 | 119 | 27.02 | 46.5 | 19.88 |
| 12577 | 97.8 | 719.04 | 218.56 | 156.33 | 141.68 |
| 22721 | 97.66 | 34.18 | 8.2 | 82.29 | 21.3 |
| 19315 | 97.51 | 290.65 | 38.36 | 107.83 | 59.7 |
| 4969 | 97.51 | 1091.37 | 441.09 | 260.97 | 253.83 |
| 22898 | 97.45 | 359.56 | 66.18 | 134.14 | 71.92 |
| 4267 | 97.43 | 933.47 | 240.99 | 350.09 | 150.71 |
| 3895 | 97.37 | 76.83 | 14.81 | 27.09 | 23.39 |
| 14766 | 97.27 | 975.69 | 251.84 | 499.81 | 119.99 |
| 14926 | 97.27 | 196.66 | 37.87 | 85.9 | 30.44 |
| 1520 | 97.11 | 69.78 | 11.41 | 27.44 | 14.49 |
| 20042 | 97.08 | 1364.3 | 159.08 | 646.91 | 256.74 |
| 24654 | 97 | 154.31 | 32.81 | 59.27 | 29.32 |
| 6986 | 96.97 | 366.7 | 89.43 | 150.41 | 57.38 |
| 20305 | 96.97 | 134.96 | 13.59 | 60.91 | 29.76 |
| 24165 | 96.92 | 123.07 | 7.89 | 51.4 | 38.22 |
| 15239 | 96.87 | 1067.13 | 252.66 | 626.68 | 244.11 |
| 1437 | 96.87 | 1374.11 | 381 | 401.62 | 265.64 |
| 1050 | 96.87 | 91.8 | 10.55 | 39.1 | 24.08 |
| 22522 | 96.82 | 103.64 | 45.53 | 249.18 | 62.96 |
| 17161 | 96.79 | 1886.68 | 290.38 | 783.37 | 364.98 |
| 25303 | 96.76 | 114.07 | 30.63 | 28.28 | 31.26 |
| 6554 | 96.71 | 266.95 | 43.79 | 612.19 | 161.23 |
| 1841 | 96.68 | 121.92 | 30.1 | 47.21 | 52.54 |
| 17901 | 96.68 | 239.38 | 18.39 | 355.73 | 59.41 |
| 20123 | 96.63 | 57.54 | 46.24 | 306.83 | 107.02 |
| 14777 | 96.58 | 157.41 | 20.98 | 80.72 | 45.18 |
| 6532 | 96.58 | 239.36 | 49.97 | 140.67 | 43.43 |
| 16205 | 96.52 | 1831.26 | 405.3 | 1095.62 | 258.1 |
| 23276 | 96.5 | 2015.45 | 253.29 | 1355.67 | 239.94 |
| 13569 | 96.5 | 150.96 | 44.19 | 65.53 | 27.13 |
| 1173 | 96.5 | 152.08 | 157.25 | 1578.02 | 697.32 |
| 18236 | 96.47 | 123.08 | 21.01 | 55.44 | 24.23 |
| 10940 | 96.42 | 627.7 | 72.81 | 360.25 | 115.78 |
| 22358 | 96.42 | 280.2 | 46.68 | 136.28 | 49.69 |
| 4286 | 96.42 | 131.24 | 26.57 | 65.71 | 25.55 |
| 10155 | 96.39 | 75.44 | 29.39 | 22.27 | 17.5 |
| 14187 | 96.36 | 136.78 | 30.94 | 59.92 | 31.83 |
| 16725 | 96.31 | 290.52 | 56.52 | 161.43 | 45.47 |
| 15115 | 96.26 | 52.07 | 6.32 | 26.41 | 13.57 |

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Document No. 1935328.1

TABLE 5V: COLCHICINE
Timepoint(s): 24, 48 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 18250 | 96.26 | 1494.73 | 260.81 | 951.28 | 198.32 |
| 18361 | 96.23 | 861.64 | 126.56 | 422.95 | 179.57 |
| 3828 | 96.2 | 2125.02 | 515.34 | 1188.51 | 342.23 |
| 23220 | 96.2 | 142.44 | 10.45 | 84.56 | 30.09 |
| 14278 | 96.18 | 322.46 | 43.46 | 167.49 | 63.88 |
| 18794 | 96.15 | 201.16 | 23.55 | 101.45 | 46.48 |
| 15606 | 96.07 | 318.81 | 66.22 | 611.89 | 139.05 |
| 8116 | 96.05 | 75.96 | 8.11 | 37.13 | 21.12 |
| 2658 | 96.02 | 323.68 | 89.03 | 702.78 | 167.92 |
| 19150 | 96.02 | 98.77 | 15.53 | 43.43 | 22.87 |
| 1175 | 96.02 | 26.68 | 53.03 | 633.13 | 346.79 |
| 4491 | 95.99 | 270.2 | 34.05 | 151.38 | 63.04 |
| 3400 | 95.97 | 88.54 | 17.75 | 200.03 | 80.9 |
| 22027 | 95.94 | 4655.49 | 554.23 | 8643.43 | 7670.41 |
| 23578 | 95.94 | 432.39 | 66.61 | 261.35 | 69.5 |
| 2649 | 95.91 | 291.82 | 59.57 | 47.4 | 127.5 |
| 15128 | 95.89 | 641.44 | 181.52 | 332.73 | 181.72 |
| 11991 | 95.86 | 151.29 | 10.76 | 90.47 | 28.5 |
| 20879 | 95.86 | 98.02 | 96.4 | 625.24 | 270.06 |
| 22121 | 95.83 | 53.25 | 8.34 | 21.37 | 16.77 |
| 20055 | 95.83 | 211.75 | 55.29 | 67.85 | 74.1 |
| 22961 | 95.81 | 189.36 | 48.95 | 87.7 | 38.66 |
| 2078 | 95.81 | 112.19 | 21.19 | 226.43 | 56.03 |
| 4449 | 95.78 | 76.38 | 27.23 | 239.43 | 92.91 |
| 21866 | 95.78 | 320.77 | 48.03 | 177.88 | 78.44 |
| 4450 | 95.75 | 89.71 | 18.25 | 197.4 | 60.95 |
| 16367 | 95.73 | 336.75 | 311.78 | 1422.01 | 540.85 |
| 16577 | 95.65 | 325.5 | 69.75 | 675.31 | 194.49 |
| 1524 | 95.62 | 29.96 | 22.6 | 148.09 | 63.97 |
| 1371 | 95.59 | 127.98 | 15.48 | 43.22 | 41.48 |
| 4444 | 95.54 | 62.9 | 59.18 | 619.83 | 352.07 |
| 15130 | 95.54 | 453.23 | 46.32 | 279.3 | 72.41 |
| 18988 | 95.51 | 37.7 | 22.25 | 223.31 | 129.67 |
| 6050 | 95.51 | 290.02 | 55.7 | 140.73 | 60.71 |
| 12587 | 95.51 | 25.2 | 8.99 | 109.66 | 48.1 |
| 15524 | 95.36 | 779.76 | 15.81 | 976.29 | 189.31 |
| 2732 | 95.3 | 368.18 | 63.9 | 174.69 | 82.83 |
| 7001 | 95.3 | 259.45 | 109.42 | 74.15 | 82.69 |
| 11213 | 95.28 | 664.44 | 54.07 | 1090.18 | 261.1 |
| 1562 | 95.28 | 371.61 | 117.3 | 883.62 | 224.76 |
| 17577 | 95.14 | 126.3 | 11.61 | 71.95 | 28.77 |
| 12372 | 95.14 | 151.49 | 24.17 | 80.79 | 29.72 |
| 2536 | 95.14 | 121.28 | 32.12 | 599.69 | 347.1 |
| 17323 | 95.12 | 156.38 | 30.55 | 47.9 | 49.73 |
| 14159 | 95.09 | 76.07 | 14.93 | 34.46 | 18.9 |
| 9984 | 95.04 | 36.18 | 9.59 | 83.2 | 30.87 |
| 14056 | 95.04 | 147.43 | 46.32 | 64.43 | 41.07 |
| 11588 | 94.98 | 31.62 | 11.38 | 91.34 | 35.27 |
| 16178 | 94.96 | 230.36 | 20.52 | 154.03 | 38.4 |
| 11024 | 94.96 | 286.35 | 45.67 | 123.25 | 76.43 |
| 15202 | 94.82 | 1360.13 | 309.95 | 652.72 | 553.54 |

| TABLE 5V: COLCHICINE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23670 | 94.82 | 3160.82 | 338.65 | 3555.49 | 2377.55 |
| 1069 | 94.8 | 2504.18 | 433.23 | 1607.59 | 389.6 |
| 556 | 94.77 | 483.7 | 42.63 | 669.24 | 129.02 |
| 25777 | 94.51 | 318.97 | 85.7 | 686.72 | 243.95 |
| 21690 | 94.35 | 117.13 | 14.99 | 62.61 | 32.75 |
| 17086 | 94.32 | 63.38 | 8 | 121.52 | 47.23 |
| 15598 | 94.29 | 294.91 | 49.72 | 564.78 | 141.56 |
| 20170 | 94.29 | 230.07 | 21.39 | 376.22 | 127.27 |
| 21575 | 94.27 | 833.24 | 128.05 | 534.39 | 128.49 |
| 1548 | 94.27 | 366.2 | 87.14 | 651.06 | 143.58 |
| 20798 | 94.24 | 77.23 | 13.02 | 145.03 | 41.04 |
| 19870 | 94.21 | 54.4 | 8.65 | 28.04 | 13.3 |
| 17556 | 94.19 | 314.74 | 97.02 | 1013.24 | 481.42 |
| 24662 | 94.06 | 59.66 | 8.75 | 29.59 | 16.79 |
| 19381 | 94.06 | 52.89 | 5.35 | 26.9 | 17.61 |
| 20938 | 94.03 | 465.66 | 20.9 | 612.87 | 105.01 |
| 24280 | 94.03 | 177.05 | 33.05 | 96.6 | 68.57 |
| 109 | 94 | 4019.15 | 282.51 | 3933.32 | 2217.69 |
| 10509 | 94 | 22.52 | 30.34 | 138.95 | 53.74 |
| 23107 | 93.84 | 56.69 | 3.87 | 35.25 | 14.04 |
| 16382 | 93.6 | 87.58 | 21.75 | 39.77 | 49.97 |
| 12069 | 93.52 | 30 | 9.05 | 71.35 | 24.33 |
| 4438 | 93.5 | 67.84 | 9.93 | 38.19 | 21.02 |
| 17785 | 93.39 | 4403.33 | 474.85 | 4273.69 | 3219.49 |
| 7459 | 93.39 | 2114.65 | 109.27 | 2329.39 | 893.94 |
| 21646 | 93.31 | 89.17 | 10.32 | 148.08 | 39.59 |
| 19469 | 93.31 | 239.24 | 99.77 | 477.76 | 113.28 |
| 9905 | 93.29 | 356.65 | 146.81 | 648.34 | 150.42 |
| 25084 | 93.29 | 53.93 | 18.21 | 141.33 | 54.37 |
| 19108 | 93.18 | 44.89 | 9.04 | 20.38 | 23.93 |
| 23130 | 93.13 | 312.03 | 41.91 | 524.74 | 145.93 |
| 25678 | 92.99 | 84.27 | 15.23 | 37.42 | 123.26 |
| 960 | 92.94 | 110.27 | 25.79 | 215.94 | 65.71 |
| 10247 | 92.89 | 60.51 | 7.38 | 33.74 | 22.82 |
| 22781 | 92.86 | 147.35 | 12.71 | 94.08 | 54.86 |
| 18820 | 92.81 | 186.68 | 17.72 | 121.96 | 45.73 |
| 1572 | 92.81 | 127.62 | 22.72 | 73.1 | 32.46 |
| 17934 | 92.7 | 346.45 | 78.42 | 176.52 | 91.37 |
| 7897 | 92.7 | 3762.04 | 261.66 | 3454.37 | 2130.83 |
| 23543 | 92.6 | 867.78 | 78.37 | 585.69 | 160.55 |
| 16269 | 92.54 | 96.43 | 12 | 58.05 | 21.96 |
| 1481 | 92.49 | 112.99 | 21.45 | 58.22 | 29.63 |
| 1205 | 92.49 | 74.93 | 7.42 | 49.91 | 28.89 |
| 1392 | 92.46 | 143.78 | 16.61 | 82.05 | 47.19 |
| 14533 | 92.44 | 5361.59 | 747.63 | 5068.88 | 4887.34 |
| 13488 | 92.44 | 43.02 | 6 | 74.03 | 21.79 |
| 4228 | 92.44 | 110.28 | 15.82 | 199.05 | 68.63 |
| 4185 | 92.41 | 3631.55 | 542.24 | 4098.24 | 2986.08 |
| 17171 | 92.41 | 136.2 | 29.48 | 286.4 | 176.16 |
| 634 | 92.4 | 434.92 | 266.41 | 1538.17 | 416.25 |
| 1809 | 92.34 | 2513.01 | 1078.75 | 125.3 | 723.32 |

TABLE 5V: COLCHICINE
 Timepoint(s): 24, 48 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|----------------|-----------|----------|--------|-------------|-----------|
| 2846 | 92.22 | 38.62 | 11.73 | 86.71 | 30.18 |
| 1299 | 92.14 | 23.72 | 37.72 | 203.01 | 224.06 |
| 25525 | 92.13 | 391.78 | 249.85 | 1352.55 | 362.92 |
| 18333 | 92.12 | 67.56 | 8.25 | 107.48 | 28.89 |
| 24247 | 92.06 | 24.23 | 11.88 | 208.45 | 230.28 |
| 5622 | 92.05 | 3055.75 | 524.7 | 1589.25 | 364.4 |

| TABLE 5W: COLCHICINE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3431 | 99.92 | 3003.78 | 137.68 | 1039.49 | 297.06 |
| 12309 | 99.87 | 103.17 | 6.79 | 394.9 | 128.08 |
| 1322 | 99.81 | 152.11 | 57.45 | 4147.31 | 2078.8 |
| 8817 | 99.79 | 1652.09 | 73.44 | 793.99 | 189.21 |
| 14380 | 99.76 | 104.76 | 24.58 | 686.81 | 268.39 |
| 18657 | 99.76 | 1070.31 | 92.78 | 283.11 | 78.12 |
| 3365 | 99.76 | 141.98 | 8.14 | 805.22 | 237.27 |
| 9805 | 99.76 | 102.1 | 16.87 | 392.85 | 100.3 |
| 3924 | 99.74 | 61.79 | 13.53 | 327.39 | 114.57 |
| 8815 | 99.74 | 1667.42 | 133.87 | 537.52 | 121.88 |
| 18999 | 99.68 | 672.86 | 62.96 | 152.02 | 50.17 |
| 15300 | 99.68 | 3063.12 | 397.15 | 224.88 | 176.58 |
| 15147 | 99.66 | 1984.86 | 272.98 | 434.67 | 269.97 |
| 5466 | 99.66 | 311.72 | 16.39 | 109.06 | 36 |
| 23194 | 99.66 | 701.23 | 73.28 | 152.16 | 68.4 |
| 8639 | 99.63 | 1929.61 | 166.63 | 624.27 | 214.67 |
| 7176 | 99.6 | 473.27 | 90.16 | 55.97 | 31.41 |
| 15146 | 99.58 | 969.49 | 161.91 | 220.76 | 103.89 |
| 7003 | 99.58 | 60.89 | 5.14 | 397.24 | 127.85 |
| 16809 | 99.55 | 209.43 | 14.77 | 29.37 | 24.23 |
| 1501 | 99.55 | 2201.06 | 140.82 | 497.76 | 236.01 |
| 17590 | 99.52 | 327.38 | 10.42 | 105.78 | 45.45 |
| 3917 | 99.5 | 370.95 | 91.31 | 1587.52 | 507.88 |
| 8065 | 99.5 | 107.12 | 12.8 | 336.5 | 104.7 |
| 1455 | 99.5 | 628.63 | 89.56 | 178.93 | 69.93 |
| 4843 | 99.5 | 209.57 | 9.38 | 489.28 | 117.19 |
| 11021 | 99.5 | 37.55 | 4.37 | 260.43 | 96.17 |
| 17477 | 99.5 | 337.07 | 55.28 | 52.04 | 34.64 |
| 659 | 99.47 | 71.08 | 3.9 | 24.09 | 13.68 |
| 21529 | 99.44 | 659.77 | 23.86 | 322.94 | 96.45 |
| 15301 | 99.44 | 1516.47 | 193.51 | 22.03 | 103.56 |
| 18396 | 99.42 | 144.42 | 12.71 | 45.05 | 46.53 |
| 18831 | 99.39 | 5369.55 | 261.46 | 2439.35 | 721.08 |
| 9541 | 99.39 | 910.79 | 103.83 | 70.09 | 100.96 |
| 4593 | 99.36 | 124.94 | 16.63 | 42.19 | 162.72 |
| 5059 | 99.36 | 582.33 | 263.05 | 78.72 | 248.28 |
| 13981 | 99.36 | 220.09 | 50.19 | 51.29 | 21.07 |
| 22677 | 99.36 | 679.46 | 91.5 | 120.32 | 67.79 |
| 16982 | 99.34 | 3559.85 | 425.59 | 328.05 | 447.29 |
| 8850 | 99.34 | 275.16 | 43.63 | 69.18 | 33.89 |
| 3014 | 99.34 | 124.98 | 27.93 | 21.52 | 12.04 |
| 13469 | 99.34 | 92.95 | 8.22 | 28.79 | 15.23 |
| 4594 | 99.31 | 179.56 | 52.13 | 51.1 | 258.46 |
| 22242 | 99.31 | 205.26 | 26.42 | 47.27 | 47.56 |
| 4607 | 99.31 | 239.07 | 21.78 | 92.71 | 36.92 |
| 23944 | 99.31 | 763.5 | 65.73 | 359.91 | 70.59 |
| 24431 | 99.31 | 497.97 | 36.23 | 62.76 | 149.74 |
| 22515 | 99.28 | 525.18 | 166.82 | 128.66 | 396.93 |
| 21579 | 99.28 | 456.96 | 47.95 | 201.32 | 109.9 |
| 21574 | 99.28 | 2212.4 | 196.93 | 979.84 | 265.55 |
| 12751 | 99.28 | 502.26 | 102.49 | 139.18 | 46.22 |

| TABLE 5W: COLCHICINE | | | | | |
|----------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15644 | 99.28 | 3580.73 | 254.81 | 1364.27 | 373.04 |
| 18529 | 99.28 | 316.71 | 27.18 | 70.52 | 38.9 |
| 5297 | 99.26 | 123.7 | 11.89 | 32.51 | 32.47 |
| 17499 | 99.26 | 283.23 | 105.3 | 25.57 | 88.72 |
| 15934 | 99.26 | 21.46 | 6.55 | 128.62 | 55.85 |
| 8206 | 99.26 | 3401.55 | 303.15 | 1045.12 | 515.69 |
| 8837 | 99.26 | 62.75 | 7.7 | 217.89 | 57.87 |
| 20448 | 99.26 | 569.14 | 151.04 | 41.49 | 68.65 |
| 21654 | 99.26 | 1204.09 | 81.08 | 404.24 | 144.25 |
| 1809 | 99.23 | 1532.27 | 217.07 | 131.69 | 738.56 |
| 13446 | 99.23 | 294.87 | 45.69 | 33.66 | 33.96 |
| 13633 | 99.23 | 1384.8 | 96.79 | 496.93 | 213.99 |
| 21414 | 99.23 | 729.49 | 177.7 | 118.2 | 172.81 |
| 6431 | 99.21 | 558.21 | 120.21 | 185.97 | 237.27 |
| 20920 | 99.21 | 2028.46 | 278.16 | 787.34 | 254.71 |
| 11852 | 99.21 | 69.06 | 12.64 | 206.91 | 59.32 |
| 13549 | 99.21 | 804.95 | 145.11 | 195.07 | 123.29 |
| 15645 | 99.21 | 2319.1 | 172.44 | 896.55 | 376.2 |
| 22681 | 99.21 | 2994.7 | 468.23 | 151.35 | 329.73 |
| 17908 | 99.21 | 510.9 | 42.69 | 71.6 | 114.43 |
| 8477 | 99.21 | 835.72 | 41.61 | 300.88 | 115.6 |
| 2555 | 99.21 | 1057.83 | 181.9 | 124.95 | 74.9 |
| 7380 | 99.18 | 229.62 | 32.08 | 79.02 | 45.87 |
| 23583 | 99.18 | 284.79 | 27.62 | 57.13 | 38.91 |
| 14504 | 99.18 | 1098.04 | 281.78 | 141.17 | 171.13 |
| 7006 | 99.15 | 198.8 | 40.87 | 40.65 | 30.8 |
| 1876 | 99.15 | 269.06 | 21.19 | 774.91 | 201.78 |
| 2161 | 99.15 | 2065.98 | 202.96 | 365.35 | 266 |
| 1802 | 99.15 | 958.14 | 123.29 | 319.92 | 103.52 |
| 3817 | 99.15 | 420.66 | 33.32 | 198.94 | 64.82 |
| 12928 | 99.15 | 1593.8 | 259.08 | 506.57 | 117.73 |
| 21130 | 99.15 | 395.82 | 51.09 | 73.02 | 49.29 |
| 4822 | 99.15 | 277.53 | 21.42 | 66.12 | 45.47 |
| 8092 | 99.13 | 172.8 | 60.11 | 26.22 | 182.1 |
| 2516 | 99.13 | 630.45 | 41.76 | 1186.15 | 265.28 |
| 2492 | 99.13 | 368.13 | 53.74 | 137.06 | 55.51 |
| 18830 | 99.13 | 6793.8 | 359.02 | 2695.75 | 948.83 |
| 20449 | 99.13 | 786.03 | 179.41 | 38.81 | 96.78 |
| 4731 | 99.13 | 517.14 | 63.34 | 53.46 | 74.66 |
| 2629 | 99.1 | 134.91 | 17.76 | 31.8 | 53.72 |
| 8849 | 99.1 | 501.65 | 99.54 | 120.56 | 47.2 |
| 64 | 99.1 | 41.73 | 3.35 | 134.74 | 44.02 |
| 22746 | 99.1 | 706.13 | 34.54 | 276.91 | 131.44 |
| 19184 | 99.1 | 951.19 | 208.78 | 86.33 | 89.57 |
| 8314 | 99.07 | 536.91 | 153.9 | 165.87 | 596.39 |
| 22140 | 99.07 | 1120.9 | 117.41 | 637.1 | 123.23 |
| 9668 | 99.07 | 234.87 | 24.59 | 79.62 | 37.6 |
| 21445 | 99.07 | 261.65 | 69.49 | 20.06 | 48.59 |
| 14250 | 99.05 | 448.93 | 153.45 | 43.24 | 32.31 |
| 20523 | 99.05 | 424.46 | 47.64 | 48.23 | 66.12 |
| 20421 | 99.02 | 63.91 | 3.34 | 30.57 | 14.08 |

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Document No. 1935828.1

TABLE 5W: COLCHICINE
Timepoint(s): 6 hrs

| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 58 | 99.02 | 117.63 | 6.89 | 44.93 | 24.96 |
| 20708 | 98.99 | 108.56 | 9.8 | 33.87 | 18.04 |
| 9905 | 98.99 | 317.1 | 12.02 | 647.98 | 150.8 |
| 25052 | 98.97 | 411.49 | 86.56 | 32.96 | 139.06 |
| 21162 | 98.97 | 208.3 | 59.06 | 30.37 | 22.58 |
| 8768 | 98.97 | 78 | 12.14 | 21.69 | 12.16 |
| 21917 | 98.97 | 513.66 | 89.35 | 74.06 | 61.9 |
| 15642 | 98.97 | 1143.9 | 93.3 | 374.52 | 155.76 |
| 17589 | 98.94 | 203.91 | 21.27 | 33.15 | 33.11 |
| 3454 | 98.91 | 256.27 | 26.68 | 70.97 | 45.46 |
| 3430 | 98.91 | 1494.68 | 287.51 | 233.14 | 121.02 |
| 16331 | 98.91 | 319.4 | 20.94 | 624.25 | 138.63 |
| 1099 | 98.89 | 80.2 | 5.85 | 225.03 | 72.58 |
| 7005 | 98.89 | 182.3 | 23.87 | 64.73 | 23.48 |
| 13499 | 98.89 | 287.16 | 52.55 | 50.33 | 35.38 |
| 16362 | 98.89 | 25.51 | 3.89 | 68.15 | 21.63 |
| 5384 | 98.86 | 329.01 | 44.21 | 26.71 | 59.69 |
| 25567 | 98.86 | 1514.83 | 279.7 | 141.55 | 122.27 |
| 1877 | 98.86 | 241.63 | 34.43 | 697.36 | 185.11 |
| 20493 | 98.83 | 120.96 | 16.18 | 323.46 | 78.58 |
| 809 | 98.83 | 409.01 | 177.55 | 23.87 | 51.49 |
| 2153 | 98.81 | 103.01 | 41.28 | 27.37 | 15.63 |
| 11483 | 98.78 | 141.21 | 23 | 34.37 | 84.09 |
| 15558 | 98.78 | 660.87 | 53.11 | 309.22 | 115.95 |
| 22513 | 98.75 | 1504.66 | 453.07 | 34.66 | 789.3 |
| 24161 | 98.75 | 231.61 | 9.35 | 460.62 | 124.31 |
| 2554 | 98.73 | 219.22 | 59.92 | 55.97 | 22.33 |
| 20529 | 98.73 | 802 | 110.83 | 130.26 | 188.72 |
| 15189 | 98.73 | 6817.09 | 452.23 | 1648.65 | 1644.72 |
| 17256 | 98.73 | 184.12 | 12.65 | 535.36 | 180.68 |
| 23783 | 98.73 | 251.28 | 15.09 | 554.83 | 134.13 |
| 1424 | 98.73 | 135.55 | 22.45 | 45.38 | 19.26 |
| 17709 | 98.73 | 144.56 | 9.33 | 37.82 | 42.25 |
| 1597 | 98.68 | 999.54 | 209.86 | 115.94 | 117.42 |
| 16684 | 98.68 | 962.36 | 63.36 | 354.04 | 142.89 |
| 1639 | 98.68 | 79.56 | 12.09 | 197.05 | 45.79 |
| 20698 | 98.68 | 2561.57 | 206.8 | 895.18 | 440.69 |
| 15643 | 98.65 | 186.64 | 81.43 | 38.58 | 18.78 |
| 9423 | 98.65 | 2779.27 | 549.3 | 810.31 | 281.83 |
| 1571 | 98.65 | 302.77 | 50.54 | 50.75 | 53.2 |
| 20126 | 98.62 | 675.26 | 176.11 | 106.11 | 70.2 |
| 15115 | 98.62 | 84.69 | 19.21 | 26.36 | 13.3 |
| 23321 | 98.62 | 76.36 | 11.52 | 238.42 | 64.77 |
| 15299 | 98.62 | 880.8 | 374.03 | 76.22 | 120.67 |
| 16683 | 98.6 | 203.89 | 15.95 | 76 | 34.9 |
| 11494 | 98.6 | 316.19 | 54.18 | 25.73 | 80.98 |
| 20944 | 98.6 | 1105.95 | 88.71 | 620.39 | 162.92 |
| 13091 | 98.57 | 29.75 | 9.85 | 158.67 | 81.48 |
| 14997 | 98.54 | 1138.5 | 138.03 | 286.84 | 274.16 |
| 24710 | 98.49 | 78.82 | 13.39 | 20.56 | 23.87 |
| 18349 | 98.49 | 244.99 | 48.43 | 65.21 | 37.96 |

| TABLE 5W: COLCHICINE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17494 | 98.49 | 21.86 | 2.23 | 50.18 | 38.03 |
| 20701 | 98.49 | 2378.94 | 191.39 | 879.22 | 387.02 |
| 22567 | 98.46 | 93.05 | 4.91 | 178.23 | 48.36 |
| 13092 | 98.46 | 34.22 | 12.21 | 220.74 | 123.58 |
| 5496 | 98.44 | 183.83 | 20.42 | 493.52 | 155.09 |
| 9424 | 98.44 | 3539.42 | 970.19 | 1007.36 | 358.45 |
| 20819 | 98.41 | 166.5 | 12.73 | 74.41 | 23.42 |
| 15191 | 98.41 | 5712.2 | 553.35 | 1209.98 | 1314.12 |
| 16564 | 98.41 | 530.29 | 61.97 | 214.96 | 83.52 |
| 23300 | 98.41 | 90.83 | 11.7 | 254.51 | 97.78 |
| 20589 | 98.41 | 55.68 | 6.96 | 25.28 | 27.34 |
| 13930 | 98.38 | 507.15 | 82.87 | 146.72 | 104.3 |
| 6071 | 98.38 | 48.48 | 15.1 | 252.45 | 84.87 |
| 23871 | 98.38 | 129.96 | 26.44 | 34.63 | 68.3 |

Attorney Docket 44921-5038-01-WO
Document No. 1935823.1

TABLE 5X: CPA
Timepoint(s): 24, 120 hrs

| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 15987 | 99.84 | 515.74 | 75.37 | 23.28 | 29.89 |
| 20803 | 99.55 | 789.49 | 72.91 | 284.3 | 110.59 |
| 8872 | 99.23 | 2165.94 | 258.75 | 487.96 | 217.92 |
| 15127 | 98.81 | 1907.99 | 118 | 688.91 | 319.14 |
| 17788 | 98.67 | 2456.63 | 377 | 1067.19 | 290.22 |
| 12155 | 98.62 | 1713.86 | 190.39 | 627.38 | 664.86 |
| 3381 | 98.57 | 244.53 | 24.9 | 113.09 | 33.54 |
| 12156 | 98.54 | 1995.76 | 290.54 | 496.09 | 855.32 |
| 16278 | 98.54 | 1784.96 | 202.31 | 647.15 | 324.29 |
| 25055 | 98.46 | 921.01 | 195.58 | 239.78 | 543.35 |
| 12158 | 98.44 | 912.04 | 196.88 | 230.34 | 543.19 |
| 17092 | 98.44 | 363.27 | 103.63 | 79.75 | 42.93 |
| 4312 | 98.44 | 731.8 | 248.9 | 61.26 | 144.67 |
| 17091 | 98.44 | 267.29 | 74.19 | 44.1 | 40.04 |
| 1796 | 98.44 | 1349.34 | 299.43 | 234.4 | 166.74 |
| 15755 | 98.41 | 245 | 56.74 | 742.24 | 178.9 |
| 20804 | 98.25 | 2575.88 | 572.75 | 888.23 | 388.15 |
| 25056 | 98.22 | 2327.46 | 332.28 | 929.48 | 711.47 |
| 17090 | 98.2 | 180.69 | 44.89 | 58.52 | 26.59 |
| 24860 | 98.12 | 1467.53 | 237.6 | 386.54 | 264.88 |
| 12160 | 98.06 | 2523.88 | 553.06 | 1115.37 | 1301.18 |
| 5824 | 97.98 | 298.43 | 72.1 | 87.77 | 56.08 |
| 2084 | 97.88 | 1046.26 | 104.59 | 534.91 | 150.72 |
| 20707 | 97.75 | 1684.19 | 229.15 | 602.2 | 292.56 |
| 1795 | 97.72 | 1816.6 | 318.44 | 528.46 | 366.46 |
| 18401 | 97.67 | 1407.45 | 183.53 | 788.7 | 163.35 |
| 1551 | 97.64 | 393.37 | 58.95 | 1028.38 | 368.77 |
| 21391 | 97.45 | 366.81 | 90.21 | 110.09 | 113.61 |
| 906 | 97.29 | 66.24 | 15.74 | 32.06 | 15.58 |
| 6824 | 97.27 | 1094.63 | 340.68 | 413.45 | 212.15 |
| 20864 | 97.19 | 1676.23 | 383.3 | 466.8 | 373.76 |
| 9940 | 97.14 | 536.15 | 109.9 | 204.59 | 89.6 |
| 18473 | 97.03 | 890.69 | 109.82 | 434.29 | 210.01 |
| 1550 | 97 | 99.1 | 32.68 | 432.3 | 211.25 |
| 10315 | 97 | 70.49 | 7.36 | 183.61 | 88.52 |
| 25287 | 96.95 | 237.77 | 60.49 | 82.59 | 44.56 |
| 18718 | 96.84 | 1880.88 | 305.12 | 827.92 | 345.65 |
| 12613 | 96.76 | 181.42 | 17.69 | 96.77 | 46.74 |
| 10396 | 96.76 | 317.82 | 74.55 | 148.54 | 56.57 |
| 22266 | 96.71 | 2589.47 | 230.63 | 1701.8 | 352.62 |
| 9136 | 96.66 | 591.31 | 72.52 | 337.48 | 88.39 |
| 17553 | 96.63 | 112.16 | 3.6 | 63.86 | 43.92 |
| 12157 | 96.6 | 1823.08 | 515.18 | 570.97 | 981.37 |
| 25281 | 96.53 | 298.97 | 51.27 | 153.82 | 48.28 |
| 1884 | 96.47 | 307.9 | 56.62 | 163.47 | 52.34 |
| 23272 | 96.42 | 190.64 | 22.58 | 357.83 | 89.87 |
| 2384 | 96.26 | 1488.62 | 304.6 | 734.58 | 233.33 |
| 1354 | 96.26 | 1058.43 | 260.49 | 259.25 | 216.17 |
| 19256 | 96.13 | 172.27 | 21.81 | 366.53 | 141.46 |
| 24262 | 96.07 | 579.48 | 43.59 | 377.21 | 122.5 |
| 20842 | 96.07 | 529.22 | 43.55 | 355.58 | 71.07 |

TABLE 5X: CPA
 Timepoint(s): 24, 120 hrs
 Attorney Docket 44921-5038-01-WO
 Document No. 1935828.1

| GLC/C Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|------------------|-----------|----------|--------|-------------|-----------|
| 17470 | 96.05 | 390.89 | 112.36 | 153.72 | 80.77 |
| 7926 | 95.97 | 228.53 | 81.74 | 95.01 | 51.92 |
| 20845 | 95.97 | 521.85 | 90.2 | 243.04 | 112.33 |
| 25499 | 95.97 | 991.03 | 111.38 | 660.7 | 139.25 |
| 21798 | 95.94 | 2826.86 | 421.67 | 1775.23 | 356.4 |
| 18900 | 95.94 | 1290.75 | 174.84 | 804.23 | 177.5 |
| 3834 | 95.89 | 533.71 | 87.28 | 331.46 | 70.64 |
| 17248 | 95.81 | 2675.17 | 344.77 | 1658.57 | 358.75 |
| 18906 | 95.68 | 166.35 | 35.72 | 81.19 | 36.03 |
| 3803 | 95.57 | 1342.6 | 269.4 | 849.93 | 204.53 |
| 11693 | 95.52 | 53.57 | 53.17 | 408.94 | 242.44 |
| 24073 | 95.49 | 111.04 | 21.41 | 23.85 | 37.24 |
| 8358 | 95.46 | 865.05 | 52.35 | 610.18 | 141.68 |
| 22379 | 95.38 | 883.34 | 195.79 | 470.63 | 215.34 |
| 13330 | 95.36 | 176.96 | 43.63 | 57.71 | 65.08 |
| 7307 | 95.36 | 67.95 | 15.53 | 24.28 | 17.88 |
| 12524 | 95.17 | 640.26 | 71.88 | 391.94 | 111.56 |
| 6431 | 95.15 | 61.93 | 9.63 | 187.42 | 238.11 |
| 19255 | 95.12 | 77.77 | 14.22 | 204.54 | 101.59 |
| 20940 | 95.09 | 936.93 | 84.19 | 545.77 | 214.58 |
| 18860 | 95.07 | 1211.23 | 244.06 | 565.7 | 248.34 |
| 23296 | 95.07 | 597.01 | 96.51 | 334.68 | 100.56 |
| 11019 | 95.07 | 134.09 | 18.76 | 45.83 | 39.52 |
| 17401 | 94.99 | 95.09 | 36.73 | 434.37 | 217.21 |
| 16725 | 94.96 | 108.27 | 4.11 | 162.17 | 46.24 |
| 22267 | 94.93 | 1400.08 | 100.63 | 925.43 | 294.61 |
| 5748 | 94.93 | 591.93 | 86.36 | 374.89 | 91.33 |
| 16269 | 94.91 | 22.62 | 6.39 | 58.34 | 22 |
| 23569 | 94.72 | 382.47 | 40.41 | 260.34 | 59.51 |
| 6801 | 94.62 | 244.51 | 27.71 | 440.66 | 120.37 |
| 1888 | 94.59 | 92.65 | 22.09 | 32.17 | 34.92 |
| 9055 | 94.59 | 625.43 | 68.69 | 387.72 | 113.8 |
| 12196 | 94.51 | 1056.53 | 34.69 | 841.23 | 148.51 |
| 17601 | 94.43 | 46.78 | 7.05 | 102.56 | 39.89 |
| 24799 | 94.38 | 153.99 | 26.78 | 307.11 | 126.54 |
| 8317 | 94.32 | 270.67 | 61.07 | 636.73 | 221.9 |
| 19012 | 94.3 | 263.26 | 14.51 | 441.56 | 165.9 |
| 24326 | 94.27 | 162.65 | 34.16 | 296.37 | 76.59 |
| 17116 | 94.27 | 1960.59 | 322.97 | 1389.17 | 259.59 |
| 15032 | 94.24 | 177.39 | 41.97 | 493.86 | 190.85 |
| 12071 | 94.19 | 281.58 | 88.46 | 636.83 | 182.94 |
| 1654 | 94.14 | 101.65 | 15.48 | 204.94 | 61.98 |
| 20744 | 94.14 | 120.51 | 13.37 | 349.43 | 304.29 |
| 1552 | 94.01 | 235.75 | 79.97 | 586.21 | 213.54 |
| 22578 | 93.98 | 695.18 | 147.03 | 1319.3 | 386.43 |
| 20798 | 93.98 | 236.82 | 51.01 | 144.4 | 40.79 |
| 2584 | 93.95 | 186.37 | 32.97 | 104.84 | 38.5 |
| 1903 | 93.95 | 266 | 39 | 147.01 | 55.87 |
| 18749 | 93.93 | 139.22 | 54.06 | 62.53 | 57.28 |
| 24728 | 93.82 | 126.08 | 25.42 | 261.6 | 84.41 |
| 1479 | 93.79 | 137.29 | 22.87 | 296.85 | 95.05 |

| TABLE 5X: CPA | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 120 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22773 | 93.63 | 33.24 | 5.81 | 63.76 | 22.05 |
| 25663 | 93.61 | 84.33 | 9.89 | 322.15 | 597.96 |
| 9223 | 93.45 | 37.62 | 9.14 | 89.72 | 43.26 |
| 11938 | 93.37 | 1154.46 | 400.62 | 1106.74 | 200.56 |
| 15348 | 93.34 | 126.58 | 16.66 | 199.07 | 43.15 |
| 17752 | 93.32 | 255.46 | 36.73 | 472.35 | 141.96 |
| 17487 | 93.16 | 68.44 | 12.61 | 34.77 | 20.09 |
| 16242 | 93.13 | 26.46 | 4.4 | 47.12 | 13.08 |
| 6912 | 93.1 | 93.86 | 18.89 | 193.66 | 64.6 |
| 1427 | 93.1 | 57.63 | 16.63 | 28.11 | 18.7 |
| 7927 | 93.08 | 111.83 | 31.92 | 286.66 | 116.4 |
| 14003 | 92.97 | 271.38 | 75.37 | 156.13 | 102.31 |
| 17885 | 92.89 | 298.72 | 21.55 | 204.09 | 60.76 |
| 4091 | 92.84 | 514.17 | 66.67 | 343.52 | 96.66 |
| 22609 | 92.79 | 61.47 | 8.31 | 25.91 | 36.63 |
| 18160 | 92.76 | 31.96 | 7.31 | 73.97 | 32.84 |
| 15126 | 92.68 | 2274.28 | 457.02 | 1272.11 | 536.45 |
| 18867 | 92.57 | 425.86 | 144.38 | 827.37 | 222.17 |
| 17289 | 92.47 | 217.51 | 28.3 | 124.19 | 77.28 |
| 163 | 92.47 | 716.55 | 37.32 | 525.76 | 110.33 |
| 644 | 92.23 | 44.72 | 8.83 | 29.55 | 10.34 |
| 21078 | 91.96 | 434.32 | 51.66 | 739.37 | 214.89 |
| 5622 | 91.96 | 1021.17 | 154.32 | 1597.58 | 376.2 |
| 19962 | 91.83 | 213.02 | 13.52 | 157.08 | 58.5 |
| 15888 | 91.75 | 85.97 | 11.5 | 167.19 | 141.04 |
| 25676 | 91.67 | 45.53 | 10.5 | 97.17 | 43.4 |
| 18747 | 91.51 | 288.85 | 111.02 | 155.3 | 123.95 |
| 6478 | 91.46 | 2101.18 | 222.83 | 3240.11 | 1804.78 |
| 6017 | 91.41 | 122.91 | 67.38 | 783.92 | 505.65 |
| 4242 | 91.41 | 183.7 | 77.57 | 519.45 | 211.24 |
| 19420 | 91.38 | 23.41 | 10.84 | 57.83 | 20.54 |
| 25723 | 91.38 | 38.38 | 7.81 | 21.06 | 18.21 |
| 25702 | 91.33 | 638.9 | 58.32 | 494.86 | 177.41 |
| 16780 | 91.29 | 804.3 | 304.89 | 308.07 | 106.94 |
| 25725 | 91.24 | 417.02 | 194.59 | 141.74 | 60.54 |
| 15367 | 91.17 | 167.27 | 10.16 | 242.25 | 93.58 |
| 25413 | 91.06 | 20.18 | 5.06 | 44.26 | 20.59 |
| 15136 | 91.03 | 784.13 | 62.97 | 587.57 | 293.75 |
| 5107 | 91.03 | 52.41 | 6.36 | 97.77 | 49.75 |
| 23220 | 91.01 | 110.89 | 7.04 | 84.71 | 30.28 |
| 21416 | 91.01 | 29.17 | 4.06 | 52.59 | 30.22 |
| 20700 | 90.9 | 1938.34 | 191.11 | 2947.88 | 1599.77 |
| 17052 | 90.9 | 61.07 | 8.19 | 39.25 | 17.72 |
| 11691 | 90.9 | 23.9 | 16.2 | 109.55 | 93.58 |

TABLE 5Y: CPA
 Timepoint(s): 24, 120 hrs
 GLGC
 Attorney Docket 44921-5038-01-WO
 Document No. 1935323.1

| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|------------|-----------|----------|--------|-------------|-----------|
| 2084 | 97.88 | 1046.26 | 104.59 | 534.91 | 150.72 |
| 18401 | 97.67 | 1407.45 | 183.53 | 788.7 | 163.35 |
| 21391 | 97.45 | 366.81 | 90.21 | 110.09 | 113.61 |
| 6824 | 97.27 | 1094.63 | 340.68 | 413.45 | 212.15 |
| 9940 | 97.14 | 536.15 | 109.9 | 204.59 | 89.6 |
| 10315 | 97 | 70.49 | 7.36 | 183.61 | 88.52 |
| 1550 | 97 | 99.1 | 32.68 | 432.3 | 211.25 |
| 25287 | 96.95 | 237.77 | 60.49 | 82.59 | 44.56 |
| 18718 | 96.84 | 1880.88 | 305.12 | 827.92 | 345.65 |
| 10396 | 96.76 | 317.82 | 74.55 | 148.54 | 56.57 |
| 12613 | 96.76 | 181.42 | 17.69 | 96.77 | 46.74 |
| 9136 | 96.66 | 591.31 | 72.52 | 337.48 | 88.39 |
| 17553 | 96.63 | 112.16 | 3.6 | 63.86 | 43.92 |
| 25281 | 96.53 | 298.97 | 51.27 | 153.82 | 48.28 |
| 1884 | 96.47 | 307.9 | 56.62 | 163.47 | 52.34 |
| 23272 | 96.42 | 190.64 | 22.58 | 357.83 | 89.87 |
| 1354 | 96.26 | 1058.43 | 260.49 | 259.25 | 216.17 |
| 2384 | 96.26 | 1488.62 | 304.6 | 734.58 | 233.33 |
| 20842 | 96.07 | 529.22 | 43.55 | 355.58 | 71.07 |
| 24262 | 96.07 | 579.48 | 43.59 | 377.21 | 122.5 |
| 17470 | 96.05 | 390.89 | 112.36 | 153.72 | 80.77 |
| 25499 | 95.97 | 991.03 | 111.38 | 660.7 | 139.25 |
| 20845 | 95.97 | 521.85 | 90.2 | 243.04 | 112.33 |
| 7926 | 95.97 | 228.53 | 81.74 | 95.01 | 51.92 |
| 18900 | 95.94 | 1290.75 | 174.84 | 804.23 | 177.5 |
| 3834 | 95.89 | 533.71 | 87.28 | 331.46 | 70.64 |
| 17248 | 95.81 | 2675.17 | 344.77 | 1658.57 | 358.75 |
| 3803 | 95.57 | 1342.6 | 269.4 | 849.93 | 204.53 |
| 24073 | 95.49 | 111.04 | 21.41 | 23.85 | 37.24 |
| 8358 | 95.46 | 865.05 | 52.35 | 610.18 | 141.68 |
| 22379 | 95.38 | 883.34 | 195.79 | 470.63 | 215.34 |
| 7307 | 95.36 | 67.95 | 15.53 | 24.28 | 17.88 |
| 13330 | 95.36 | 176.96 | 43.63 | 57.71 | 65.08 |
| 12524 | 95.17 | 640.26 | 71.88 | 391.94 | 111.56 |
| 20940 | 95.09 | 936.93 | 84.19 | 545.77 | 214.58 |
| 11019 | 95.07 | 134.09 | 18.76 | 45.83 | 39.52 |
| 23296 | 95.07 | 597.01 | 96.51 | 334.68 | 100.56 |
| 17401 | 94.99 | 95.09 | 36.73 | 434.37 | 217.21 |
| 16725 | 94.96 | 108.27 | 4.11 | 162.17 | 46.24 |
| 5748 | 94.93 | 591.93 | 86.36 | 374.89 | 91.33 |
| 22267 | 94.93 | 1400.08 | 100.63 | 925.43 | 294.61 |
| 16269 | 94.91 | 22.62 | 6.39 | 58.34 | 22 |
| 23569 | 94.72 | 382.47 | 40.41 | 260.34 | 59.51 |
| 9055 | 94.59 | 625.43 | 68.69 | 387.72 | 113.8 |
| 1888 | 94.59 | 92.65 | 22.09 | 32.17 | 34.92 |
| 12196 | 94.51 | 1056.53 | 34.69 | 841.23 | 148.51 |
| 17601 | 94.43 | 46.78 | 7.05 | 102.56 | 39.89 |
| 24799 | 94.38 | 153.99 | 26.78 | 307.11 | 126.54 |
| 8317 | 94.32 | 270.67 | 61.07 | 636.73 | 221.9 |
| 17116 | 94.27 | 1960.59 | 322.97 | 1389.17 | 259.59 |
| 24326 | 94.27 | 162.65 | 34.16 | 296.37 | 76.59 |

| TABLE 5Y: CPA | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 120 hrs | | Document No. 1935828.1 | | | |
| GICG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15032 | 94.24 | 177.39 | 41.97 | 493.86 | 190.85 |
| 12071 | 94.19 | 281.58 | 88.46 | 636.83 | 182.94 |
| 1654 | 94.14 | 101.65 | 15.48 | 204.94 | 61.98 |
| 1552 | 94.01 | 235.75 | 79.97 | 586.21 | 213.54 |
| 20798 | 93.98 | 236.82 | 51.01 | 144.4 | 40.79 |
| 22578 | 93.98 | 695.18 | 147.03 | 1319.3 | 386.43 |
| 1903 | 93.95 | 266 | 39 | 147.01 | 55.87 |
| 2584 | 93.95 | 186.37 | 32.97 | 104.84 | 38.5 |
| 18749 | 93.93 | 139.22 | 54.06 | 62.53 | 57.28 |
| 21382 | 93.9 | 97.87 | 11.74 | 181.33 | 63.63 |
| 18141 | 93.85 | 519.6 | 86.6 | 329.77 | 177.47 |
| 24728 | 93.82 | 126.08 | 25.42 | 261.6 | 84.41 |
| 7691 | 93.79 | 136.99 | 10.3 | 92.88 | 79.96 |
| 22151 | 93.63 | 318.16 | 38.95 | 167.57 | 107.58 |
| 22773 | 93.63 | 33.24 | 5.81 | 63.76 | 22.05 |
| 25663 | 93.61 | 84.33 | 9.89 | 322.15 | 597.96 |
| 19452 | 93.5 | 233.52 | 29.35 | 136.21 | 119.58 |
| 9223 | 93.45 | 37.62 | 9.14 | 89.72 | 43.26 |
| 11324 | 93.4 | 186.39 | 23.41 | 320.54 | 96.1 |
| 11938 | 93.37 | 1154.46 | 400.62 | 1106.74 | 200.56 |
| 18325 | 93.37 | 479.38 | 32.88 | 349.34 | 84.22 |
| 15348 | 93.34 | 126.58 | 16.66 | 199.07 | 43.15 |
| 17752 | 93.32 | 255.46 | 36.73 | 472.35 | 141.96 |
| 4073 | 93.24 | 479.14 | 69.74 | 249.74 | 143.79 |
| 17487 | 93.16 | 68.44 | 12.61 | 34.77 | 20.09 |
| 22477 | 93.16 | 163.46 | 16.79 | 90.74 | 43.66 |
| 16242 | 93.13 | 26.46 | 4.4 | 47.12 | 13.08 |
| 1427 | 93.1 | 57.63 | 16.63 | 28.11 | 18.7 |
| 24049 | 93.1 | 2308.97 | 299.37 | 1515.64 | 458.38 |
| 6912 | 93.1 | 93.86 | 18.89 | 193.66 | 64.6 |
| 3993 | 93.1 | 141.68 | 12.68 | 217.35 | 57.14 |
| 7927 | 93.08 | 111.83 | 31.92 | 286.66 | 116.4 |
| 26147 | 93.05 | 2363.23 | 231.98 | 1652.18 | 369.56 |
| 19363 | 93 | 377.23 | 202.42 | 1901.96 | 903.09 |
| 14003 | 92.97 | 271.38 | 75.37 | 156.13 | 102.31 |
| 5241 | 92.97 | 227.52 | 24.55 | 347.52 | 86.28 |
| 17885 | 92.89 | 298.72 | 21.55 | 204.09 | 60.76 |
| 7870 | 92.86 | 60.29 | 9.12 | 117.22 | 46.33 |
| 4091 | 92.84 | 514.17 | 66.67 | 343.52 | 96.66 |
| 7316 | 92.81 | 43.05 | 8.75 | 85.7 | 38.62 |
| 22609 | 92.79 | 61.47 | 8.31 | 25.91 | 36.63 |
| 21694 | 92.76 | 347.26 | 62.65 | 196.44 | 83.9 |
| 18160 | 92.76 | 31.96 | 7.31 | 73.97 | 32.84 |
| 15126 | 92.68 | 2274.28 | 457.02 | 1272.11 | 536.45 |
| 17865 | 92.65 | 289.95 | 12.58 | 375.54 | 68.28 |
| 18867 | 92.57 | 425.86 | 144.38 | 827.37 | 222.17 |
| 23597 | 92.52 | 1130.39 | 155.89 | 779.7 | 193.25 |
| 23768 | 92.49 | 305.94 | 59.08 | 194.01 | 80.27 |
| 17289 | 92.47 | 217.51 | 28.3 | 124.19 | 77.28 |
| 163 | 92.47 | 716.55 | 37.32 | 525.76 | 110.33 |
| 644 | 92.23 | 44.72 | 8.83 | 29.55 | 10.34 |

| TABLE 5Y: CPA | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 120 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5622 | 91.96 | 1021.17 | 154.32 | 1597.58 | 376.2 |
| 19962 | 91.83 | 213.02 | 13.52 | 157.08 | 58.5 |
| 25676 | 91.67 | 45.53 | 10.5 | 97.17 | 43.4 |
| 18747 | 91.51 | 288.85 | 111.02 | 155.3 | 123.95 |
| 6478 | 91.46 | 2101.18 | 222.83 | 3240.11 | 1804.78 |
| 6017 | 91.41 | 122.91 | 67.38 | 783.92 | 505.65 |
| 4242 | 91.41 | 183.7 | 77.57 | 519.45 | 211.24 |
| 19420 | 91.38 | 23.41 | 10.84 | 57.83 | 20.54 |
| 25723 | 91.38 | 38.38 | 7.81 | 21.06 | 18.21 |
| 25702 | 91.33 | 638.9 | 58.32 | 494.86 | 177.41 |
| 15367 | 91.17 | 167.27 | 10.16 | 242.25 | 93.58 |
| 25413 | 91.06 | 20.18 | 5.06 | 44.26 | 20.59 |
| 15136 | 91.03 | 784.13 | 62.97 | 587.57 | 293.75 |
| 5107 | 91.03 | 52.41 | 6.36 | 97.77 | 49.75 |
| 23220 | 91.01 | 110.89 | 7.04 | 84.71 | 30.28 |
| 21416 | 91.01 | 29.17 | 4.06 | 52.59 | 30.22 |
| 20700 | 90.9 | 1938.34 | 191.11 | 2947.88 | 1599.77 |
| 17052 | 90.9 | 61.07 | 8.19 | 39.25 | 17.72 |
| 11691 | 90.9 | 23.9 | 16.2 | 109.55 | 93.58 |
| 20703 | 90.85 | 127.49 | 46.01 | 451.17 | 483.02 |
| 20511 | 90.82 | 36.97 | 4.35 | 67.72 | 28.83 |
| 15623 | 90.8 | 42.73 | 7.25 | 71.36 | 24.25 |
| 348 | 90.8 | 118.07 | 13.49 | 76.64 | 27.12 |
| 17226 | 90.77 | 1383.07 | 60.33 | 1105.17 | 236.84 |
| 4234 | 90.74 | 289.19 | 42.96 | 617.48 | 298.74 |
| 24763 | 90.69 | 59.82 | 6.57 | 94.14 | 40.29 |
| 20299 | 90.53 | 349.05 | 95.57 | 726.79 | 249.41 |
| 656 | 90.42 | 80.81 | 4.24 | 102.91 | 33.62 |
| 727 | 90.4 | 279.18 | 41.4 | 203.61 | 51.79 |
| 17972 | 90.34 | 37.81 | 3.51 | 24.09 | 15.8 |
| 22396 | 90.24 | 59.2 | 12 | 99.3 | 28.76 |
| 5545 | 90.08 | 1203.76 | 78.41 | 1490.87 | 574.88 |
| 1159 | 90.05 | 119.01 | 58.08 | 275.36 | 107.3 |
| 1973 | 90.03 | 306.32 | 17.08 | 391.67 | 107.24 |
| 23481 | 90 | 36.24 | 11.6 | 69.21 | 23.13 |
| 25069 | 89.97 | 1231.6 | 563.43 | 201.55 | 239.64 |
| 20802 | 89.91 | 329.77 | 64.64 | 130.33 | 59.89 |
| 25964 | 89.89 | 57.21 | 7.22 | 92.15 | 30.97 |
| 7163 | 89.87 | 41.35 | 7.14 | 84.31 | 36.76 |
| 8977 | 89.81 | 43.82 | 4.74 | 30.37 | 10.16 |
| 11981 | 89.81 | 57.97 | 4.93 | 83.71 | 22.13 |
| 20865 | 89.79 | 38.26 | 8.04 | 89.98 | 95.27 |
| 6108 | 89.76 | 143.11 | 13.88 | 110.78 | 45.26 |
| 15579 | 89.73 | 1458.15 | 137.46 | 1679.56 | 675.17 |
| 17936 | 89.73 | 1113.54 | 83.94 | 832.34 | 227.17 |
| 3788 | 89.71 | 26.18 | 1.98 | 35.84 | 12.76 |
| 4749 | 89.68 | 1019.89 | 203.98 | 1655.2 | 434.34 |
| 24419 | 89.66 | 160.97 | 22.33 | 99.16 | 63.61 |
| 1798 | 89.58 | 2071.22 | 211.5 | 2799.36 | 1337.75 |
| 819 | 89.55 | 2302.42 | 356.69 | 2548.98 | 1185.9 |
| 9527 | 89.5 | 89.49 | 25.07 | 236.44 | 129.28 |

| TABLE 5Y: CPA | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 120 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15138 | 89.41 | 197.53 | 42.61 | 83.99 | 43.8 |

Attorney Docket 44921-5038-01-WO
Document No. 1935328.1

| TABLE 52: CPA Timepoint(s): 6 hrs | | | | | |
|--------------------------------------|-----------|----------|--------|-------------|-----------|
| GLCC Identifier | LDA Score | Tox Mean | Tox SD | NonTox Mean | NonTox SD |
| 21968 | 99.66 | 336.13 | 5.88 | 154.33 | 63.23 |
| 1900 | 99.58 | 919 | 67.9 | 332.92 | 144.12 |
| 3050 | 99.42 | 100.04 | 5.64 | 28.38 | 21.7 |
| 9128 | 99.39 | 482.11 | 106.87 | 109.27 | 74.26 |
| 13231 | 99.21 | 382.85 | 49.17 | 122.87 | 53.82 |
| 17506 | 99.1 | 212.71 | 17.76 | 31.5 | 71.88 |
| 13799 | 98.97 | 375.73 | 72.34 | 137.29 | 52.07 |
| 5754 | 98.89 | 387.64 | 90.19 | 88.96 | 55.53 |
| 19605 | 98.89 | 318.04 | 35.9 | 130.26 | 41.67 |
| 7434 | 98.86 | 815.52 | 40.4 | 394.11 | 132.33 |
| 19467 | 98.83 | 963.65 | 78.28 | 439.31 | 162.93 |
| 15847 | 98.73 | 117.99 | 17.88 | 22.43 | 32.95 |
| 18337 | 98.6 | 315.9 | 43.13 | 156.61 | 101.32 |
| 6272 | 98.41 | 397.42 | 83.96 | 149.81 | 45.88 |
| 12203 | 98.36 | 306.83 | 80.61 | 45.36 | 78.73 |
| 20063 | 98.36 | 648.97 | 93.85 | 267.86 | 98.57 |
| 16053 | 98.33 | 292.73 | 14.22 | 176.18 | 220.38 |
| 18235 | 98.3 | 267.49 | 51.1 | 140.41 | 28.19 |
| 9514 | 98.25 | 1625.14 | 124.57 | 935.34 | 219.48 |
| 18484 | 98.25 | 127.21 | 44.53 | 44.76 | 16.71 |
| 19069 | 98.25 | 180.08 | 21.52 | 739.35 | 315.83 |
| 2866 | 98.17 | 783.55 | 140.13 | 118.19 | 180.78 |
| 13746 | 98.09 | 58.47 | 5.72 | 162.03 | 69.53 |
| 4937 | 98.01 | 631.7 | 70.25 | 361.28 | 90.51 |
| 9775 | 97.96 | 517.09 | 98.93 | 129.4 | 107.22 |
| 15345 | 97.93 | 1898.16 | 268.14 | 832.68 | 256.03 |
| 14740 | 97.91 | 251.1 | 42.02 | 92.06 | 56.78 |
| 16043 | 97.85 | 65.23 | 5.34 | 131.11 | 45.88 |
| 7618 | 97.75 | 366.94 | 73 | 146.38 | 58.39 |
| 4032 | 97.72 | 225.35 | 46.24 | 93.86 | 33.44 |
| 7639 | 97.69 | 482.34 | 97.28 | 276.54 | 68.37 |
| 8305 | 97.64 | 281.02 | 23.78 | 132.68 | 83.1 |
| 11463 | 97.59 | 61.05 | 6.38 | 130.46 | 52.77 |
| 6821 | 97.54 | 661.11 | 100.08 | 231.1 | 132.5 |
| 15551 | 97.51 | 212.76 | 8.45 | 327.45 | 67.4 |
| 26379 | 97.48 | 32.66 | 3.64 | 79.32 | 39.73 |
| 15251 | 97.4 | 100.59 | 11.43 | 43.06 | 22.57 |
| 15387 | 97.38 | 330.99 | 11.81 | 521.41 | 121.08 |
| 15959 | 97.35 | 372.85 | 69.25 | 170.23 | 55.63 |
| 14463 | 97.35 | 128.68 | 14.4 | 57.53 | 30.83 |
| 16087 | 97.27 | 62.42 | 7.34 | 125.37 | 37.49 |
| 22092 | 97.24 | 195.7 | 21.08 | 103.42 | 33.5 |
| 19993 | 97.24 | 834.02 | 110.46 | 397.43 | 186.02 |
| 6582 | 97.22 | 281.74 | 34.36 | 125.15 | 84.24 |
| 22239 | 97.19 | 89.8 | 6.76 | 40.58 | 25.26 |
| 22379 | 97.16 | 1007.83 | 135.25 | 470.74 | 215.11 |
| 22906 | 97.14 | 1219.93 | 141.04 | 560.56 | 425.46 |
| 16509 | 97.11 | 195.88 | 40.57 | 70.08 | 47.32 |
| 22548 | 97.09 | 1288.15 | 215.83 | 530.38 | 220.05 |
| 12956 | 97.06 | 510.86 | 87.31 | 247.82 | 74.29 |
| 6342 | 97.03 | 100.36 | 12.46 | 234.31 | 80.47 |

| TABLE 5Z: CPA | | | | | |
|---------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22235 | 97.01 | 564.74 | 28.69 | 377.08 | 92.2 |
| 11514 | 96.98 | 356.8 | 31.13 | 220.75 | 53.99 |
| 7282 | 96.95 | 85.49 | 23.62 | 28.9 | 16.14 |
| 11813 | 96.95 | 65.04 | 8.21 | 23.62 | 16.34 |
| 2372 | 96.93 | 210.37 | 37.9 | 108.38 | 36.17 |
| 6647 | 96.87 | 952.01 | 106.22 | 524.25 | 162.71 |
| 14419 | 96.77 | 29.11 | 3.32 | 62.1 | 23.9 |
| 10369 | 96.74 | 302.69 | 27.14 | 175.06 | 59.32 |
| 14844 | 96.69 | 105.77 | 26.25 | 273.9 | 87.14 |
| 19992 | 96.66 | 1058.37 | 103.5 | 621.86 | 218.14 |
| 25056 | 96.58 | 1547.41 | 149.55 | 933.02 | 715.67 |
| 10637 | 96.56 | 100.18 | 9.48 | 198.87 | 66.32 |
| 14662 | 96.53 | 95.36 | 9.99 | 176.13 | 49.95 |
| 9391 | 96.42 | 423.3 | 9.9 | 601.29 | 149.1 |
| 10805 | 96.34 | 69.88 | 8.09 | 28.65 | 19.93 |
| 11125 | 96.32 | 83.46 | 9.27 | 31.51 | 22.46 |
| 10200 | 96.29 | 71.26 | 11.83 | 24.75 | 24.84 |
| 3912 | 96.29 | 141.4 | 10.43 | 66.67 | 42.65 |
| 24051 | 96.29 | 162.12 | 31.26 | 79 | 28.17 |
| 22981 | 96.29 | 370.75 | 48.03 | 195.08 | 67.46 |
| 16199 | 96.24 | 212.48 | 55.64 | 74.57 | 47.43 |
| 2354 | 96.24 | 1418.52 | 135.45 | 817.4 | 289.52 |
| 15713 | 96.21 | 27.93 | 0.74 | 42.68 | 23.4 |
| 4725 | 96.18 | 95.25 | 13.13 | 24.59 | 118.53 |
| 4449 | 96.18 | 503.31 | 122.16 | 238.04 | 92.28 |
| 16609 | 96.18 | 182.57 | 7.24 | 307.66 | 102.75 |
| 22380 | 96.18 | 527.26 | 117 | 267.03 | 108.03 |
| 21454 | 96.13 | 590.95 | 73.32 | 347.49 | 100.8 |
| 10641 | 96.1 | 116.46 | 23.06 | 26.8 | 44.19 |
| 2860 | 96.08 | 309.46 | 45.16 | 95.94 | 83.94 |
| 22436 | 96.05 | 279.76 | 35.52 | 164.4 | 44.88 |
| 16910 | 96.05 | 1149.91 | 100.8 | 714.57 | 206.69 |
| 22929 | 96.03 | 609.02 | 48.31 | 1241.57 | 788.34 |
| 2594 | 96.03 | 103.92 | 25.99 | 40.82 | 25.78 |
| 5038 | 96.03 | 868.99 | 125.61 | 408.26 | 165.84 |
| 18925 | 96 | 20.76 | 10.18 | 111.16 | 53.99 |
| 5624 | 95.97 | 144.44 | 43.05 | 461.94 | 196.46 |
| 5246 | 95.97 | 259.18 | 20.49 | 174 | 37.86 |
| 11782 | 95.92 | 38.48 | 8.47 | 89.15 | 31.4 |
| 21150 | 95.89 | 199.42 | 28.46 | 43.82 | 130.34 |
| 3803 | 95.87 | 1292.62 | 108.08 | 850.59 | 205.85 |
| 1902 | 95.87 | 549.84 | 126.13 | 225.1 | 106.21 |
| 5340 | 95.84 | 63.81 | 20.12 | 345.77 | 185.52 |
| 11404 | 95.84 | 474.84 | 63.39 | 220.32 | 127.88 |
| 5481 | 95.79 | 418.88 | 70.91 | 173.42 | 97.17 |
| 4014 | 95.76 | 127.56 | 9.08 | 76.26 | 27.33 |
| 13336 | 95.73 | 113.7 | 13.56 | 235.54 | 98.27 |
| 23311 | 95.73 | 279.83 | 32.19 | 161.14 | 47.69 |
| 2729 | 95.73 | 1105.87 | 94.65 | 582.94 | 225.95 |
| 16184 | 95.6 | 77.92 | 12.56 | 174.14 | 62.83 |
| 173 | 95.55 | 321.68 | 77.18 | 111.75 | 80.53 |

| TABLE 5Z: CPA | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20188 | 95.52 | 90.59 | 11.88 | 197.76 | 86.75 |
| 730 | 95.5 | 22.32 | 1.87 | 46.5 | 36.75 |
| 7936 | 95.26 | 30.51 | 2.08 | 53.18 | 17.85 |
| 22282 | 94.91 | 53.07 | 5.52 | 94.39 | 29.7 |
| 1620 | 94.91 | 76.11 | 5.81 | 128.03 | 54.9 |
| 23047 | 94.78 | 20.65 | 1.74 | 37.72 | 15.03 |
| 25507 | 94.7 | 35.38 | 7.64 | 80.16 | 43.95 |
| 11840 | 94.49 | 105.07 | 9.11 | 69.26 | 36.62 |
| 1283 | 94.46 | 37.16 | 4.76 | 102.56 | 52.44 |
| 20450 | 94.28 | 30.71 | 6.02 | 72.59 | 29.14 |
| 2746 | 94.28 | 24.65 | 3.63 | 23.96 | 19.34 |
| 18981 | 94.12 | 89.2 | 6.31 | 166.54 | 132.76 |
| 1719 | 94.12 | 43.35 | 10.72 | 102.24 | 50.73 |
| 18227 | 94.09 | 25.11 | 2.35 | 41.74 | 13.07 |
| 21104 | 94.04 | 106.12 | 6 | 68.88 | 31.42 |
| 209 | 94.04 | 22.96 | 0.93 | 25.22 | 15.43 |
| 9092 | 93.91 | 38.28 | 12.47 | 93.58 | 34.44 |
| 18867 | 93.64 | 641.41 | 32.27 | 826.38 | 223.34 |
| 1241 | 93.51 | 22.92 | 3.87 | 46.92 | 21.81 |
| 17110 | 93.43 | 37.14 | 11.24 | 76.55 | 22.5 |
| 4683 | 93.43 | 101.33 | 9.45 | 168.13 | 88.83 |
| 6601 | 93.4 | 25.25 | 2.88 | 48.15 | 27.27 |
| 25805 | 93.3 | 23.16 | 5.04 | 51.26 | 19.17 |
| 16653 | 93.24 | 101.11 | 12.46 | 158.16 | 36 |
| 17439 | 93.22 | 57.45 | 13.99 | 114.85 | 48.83 |
| 23293 | 93.19 | 26.58 | 3.94 | 47.7 | 13.41 |
| 8207 | 93.14 | 34.49 | 5.31 | 64.35 | 20.12 |
| 1914 | 93.14 | 52.99 | 3.62 | 85.25 | 36.56 |
| 25707 | 93.11 | 44.37 | 3.98 | 88.57 | 53.72 |
| 15573 | 93.06 | 36.21 | 4.13 | 55.86 | 16.25 |
| 826 | 93.03 | 152.42 | 12.77 | 96.77 | 37.55 |
| 4292 | 93 | 34.66 | 5 | 64.12 | 24.26 |
| 16263 | 92.98 | 84.73 | 2.55 | 95.36 | 29.63 |
| 20373 | 92.98 | 53.95 | 6.96 | 88.33 | 32.6 |
| 23826 | 92.93 | 94.27 | 7.56 | 145.43 | 57.8 |
| 23302 | 92.87 | 43.51 | 1.71 | 36.69 | 21.31 |
| 18883 | 92.74 | 24.09 | 3.93 | 40.68 | 13.3 |
| 17764 | 92.69 | 1657.6 | 115 | 1186.76 | 461.24 |
| 20701 | 92.58 | 603.05 | 28.74 | 883.92 | 394.46 |
| 25479 | 92.55 | 1592.53 | 85.74 | 1189.03 | 285.05 |
| 19238 | 92.45 | 50.15 | 6.3 | 84.92 | 30.78 |
| 9126 | 92.42 | 46.46 | 6.75 | 93.88 | 45.91 |
| 17976 | 92.34 | 40.43 | 12.4 | 78.1 | 26.9 |
| 1375 | 92.32 | 53.48 | 5.77 | 85.73 | 29.06 |
| 20784 | 92.24 | 589.17 | 42.47 | 390.96 | 143.52 |
| 20283 | 92.16 | 50.37 | 12.41 | 114.02 | 53.58 |
| 1143 | 92.1 | 49.08 | 11.87 | 96.96 | 56.62 |
| 24392 | 91.81 | 52.5 | 11 | 101.15 | 41.81 |
| 15610 | 91.76 | 23.38 | 7.97 | 53.7 | 22.79 |
| 14926 | 91.73 | 40.32 | 9.96 | 86.49 | 31.25 |
| 25754 | 91.6 | 21.19 | 2.5 | 39.72 | 17.67 |

| TABLE 52: CPA | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16922 | 91.55 | 1104.21 | 54.05 | 833.35 | 196.16 |
| 20236 | 91.36 | 68.89 | 16.41 | 149.2 | 74.94 |
| 889 | 91.31 | 28.61 | 5.71 | 57.55 | 25.48 |
| 229 | 91.2 | 931.81 | 106.68 | 679.77 | 159.28 |
| 1624 | 91.07 | 203.55 | 11.31 | 262.08 | 53.25 |
| 16332 | 91.04 | 39.42 | 9.94 | 79.21 | 37.41 |
| 16825 | 91.04 | 35.83 | 8.73 | 21.62 | 11.53 |
| 24473 | 91.04 | 92.38 | 8.24 | 139.15 | 43.01 |
| 16108 | 91.04 | 173.14 | 7.06 | 140.36 | 27.59 |
| 16205 | 91.02 | 725.37 | 118.18 | 1099.72 | 262.69 |
| 21915 | 90.99 | 759.26 | 80.93 | 564.61 | 133.43 |
| 17577 | 90.96 | 31.71 | 9.67 | 72.29 | 28.89 |
| 25343 | 90.94 | 35.44 | 8.05 | 70.71 | 30.5 |
| 24621 | 90.94 | 41 | 7.36 | 73.88 | 28.41 |
| 2643 | 90.89 | 26.15 | 5.54 | 51.02 | 20.81 |
| 25216 | 90.89 | 25.75 | 4.45 | 52.69 | 36.06 |
| 10980 | 90.83 | 20.78 | 7.05 | 47.51 | 19.94 |
| 14925 | 90.83 | 193.95 | 25.99 | 323.81 | 105 |
| 17206 | 90.78 | 42.9 | 9.6 | 79.16 | 26.01 |
| 24757 | 90.75 | 46.07 | 10.04 | 77.86 | 31.85 |
| 16924 | 90.7 | 330.54 | 72.13 | 188.19 | 110.76 |
| 24 | 90.62 | 23.27 | 7.38 | 52.69 | 25.07 |
| 15097 | 90.59 | 64.83 | 10.37 | 30.22 | 58.33 |
| 976 | 90.57 | 21.19 | 4.73 | 38.49 | 15.85 |
| 24430 | 90.54 | 22.06 | 2.05 | 30.92 | 19.92 |
| 16383 | 90.54 | 28.2 | 7.68 | 55.87 | 39.49 |
| 24869 | 90.51 | 35.21 | 13.55 | 83.74 | 39.46 |
| 11839 | 90.51 | 24.75 | 10.1 | 72.07 | 43.23 |
| 9074 | 90.51 | 76.08 | 9.9 | 119.79 | 44.6 |
| 15185 | 90.38 | 66.86 | 4.27 | 61.06 | 101.26 |
| 18897 | 90.28 | 66.18 | 13.15 | 122.46 | 46.55 |
| 2356 | 90.28 | 70.82 | 8.07 | 106.24 | 29.47 |
| 3928 | 90.28 | 28.23 | 5.06 | 54.93 | 22.13 |
| 18618 | 90.14 | 1292.25 | 36.59 | 1150.73 | 216.85 |
| 17649 | 90.04 | 21.9 | 3.61 | 50.27 | 28.14 |
| 20854 | 90.01 | 31.79 | 4.85 | 67.6 | 50.26 |
| 2070 | 90.01 | 45.04 | 8.46 | 81.28 | 27.05 |
| 16912 | 90.01 | 221.66 | 21.16 | 303.16 | 79.12 |
| 3783 | 89.98 | 20.05 | 5.91 | 40.16 | 15.06 |
| 16768 | 89.96 | 544.26 | 29.95 | 494.82 | 162.98 |
| 442 | 89.9 | 20.59 | 3.46 | 37.22 | 16.12 |

| TABLE 5AA CPA Timepoint(s): 6hrs Attorney Docket 44921-5038-01-WO Document No. 1935828.1 | | | | | |
|---|-----------|----------|--------|-------------|-----------|
| GLGC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21968 | 99.66 | 336.13 | 5.88 | 154.33 | 63.23 |
| 3050 | 99.42 | 100.04 | 5.64 | 28.38 | 21.7 |
| 13231 | 99.21 | 382.85 | 49.17 | 122.87 | 53.82 |
| 7434 | 98.86 | 815.52 | 40.4 | 394.11 | 132.33 |
| 19467 | 98.83 | 963.65 | 78.28 | 439.31 | 162.93 |
| 15847 | 98.73 | 117.99 | 17.88 | 22.43 | 32.95 |
| 18337 | 98.6 | 315.9 | 43.13 | 156.61 | 101.32 |
| 9514 | 98.25 | 1625.14 | 124.57 | 935.34 | 219.48 |
| 2866 | 98.17 | 783.55 | 140.13 | 118.19 | 180.78 |
| 13746 | 98.09 | 58.47 | 5.72 | 162.03 | 69.53 |
| 14740 | 97.91 | 251.1 | 42.02 | 92.06 | 56.78 |
| 16043 | 97.85 | 65.23 | 5.34 | 131.11 | 45.88 |
| 7618 | 97.75 | 366.94 | 73 | 146.38 | 58.39 |
| 4032 | 97.72 | 225.35 | 46.24 | 93.86 | 33.44 |
| 7639 | 97.69 | 482.34 | 97.28 | 276.54 | 68.37 |
| 8305 | 97.64 | 281.02 | 23.78 | 132.68 | 83.1 |
| 11463 | 97.59 | 61.05 | 6.38 | 130.46 | 52.77 |
| 15551 | 97.51 | 212.76 | 8.45 | 327.45 | 67.4 |
| 26379 | 97.48 | 32.66 | 3.64 | 79.32 | 39.73 |
| 15387 | 97.38 | 330.99 | 11.81 | 521.41 | 121.08 |
| 14463 | 97.35 | 128.68 | 14.4 | 57.53 | 30.83 |
| 19993 | 97.24 | 834.02 | 110.46 | 397.43 | 186.02 |
| 22092 | 97.24 | 195.7 | 21.08 | 103.42 | 33.5 |
| 22239 | 97.19 | 89.8 | 6.76 | 40.58 | 25.26 |
| 16509 | 97.11 | 195.88 | 40.57 | 70.08 | 47.32 |
| 6342 | 97.03 | 100.36 | 12.46 | 234.31 | 80.47 |
| 11514 | 96.98 | 356.8 | 31.13 | 220.75 | 53.99 |
| 11813 | 96.95 | 65.04 | 8.21 | 23.62 | 16.34 |
| 7282 | 96.95 | 85.49 | 23.62 | 28.9 | 16.14 |
| 6647 | 96.87 | 952.01 | 106.22 | 524.25 | 162.71 |
| 14419 | 96.77 | 29.11 | 3.32 | 62.1 | 23.9 |
| 10369 | 96.74 | 302.69 | 27.14 | 175.06 | 59.32 |
| 14844 | 96.69 | 105.77 | 26.25 | 273.9 | 87.14 |
| 19992 | 96.66 | 1058.37 | 103.5 | 621.86 | 218.14 |
| 10637 | 96.56 | 100.18 | 9.48 | 198.87 | 66.32 |
| 14662 | 96.53 | 95.36 | 9.99 | 176.13 | 49.95 |
| 9391 | 96.42 | 423.3 | 9.9 | 601.29 | 149.1 |
| 10805 | 96.34 | 69.88 | 8.09 | 28.65 | 19.93 |
| 22981 | 96.29 | 370.75 | 48.03 | 195.08 | 67.46 |
| 3912 | 96.29 | 141.4 | 10.43 | 66.67 | 42.65 |
| 16199 | 96.24 | 212.48 | 55.64 | 74.57 | 47.43 |
| 15713 | 96.21 | 27.93 | 0.74 | 42.68 | 23.4 |
| 22380 | 96.18 | 527.26 | 117 | 267.03 | 108.03 |
| 16609 | 96.18 | 182.57 | 7.24 | 307.66 | 102.75 |
| 4449 | 96.18 | 503.31 | 122.16 | 238.04 | 92.28 |
| 21454 | 96.13 | 590.95 | 73.32 | 347.49 | 100.8 |
| 10641 | 96.1 | 116.46 | 23.06 | 26.8 | 44.19 |
| 2860 | 96.08 | 309.46 | 45.16 | 95.94 | 83.94 |
| 16910 | 96.05 | 1149.91 | 100.8 | 714.57 | 206.69 |
| 22436 | 96.05 | 279.76 | 35.52 | 164.4 | 44.88 |
| 5038 | 96.03 | 868.99 | 125.61 | 408.26 | 165.84 |

TABLE 5AA: CPA
 Timepoint(s): 6 hrs
 Attorney Docket 44921-5033-01-WO
 Document No. 1935828.1

| GILG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
|-----------------|-----------|----------|--------|-------------|-----------|
| 18925 | 96 | 20.76 | 10.18 | 111.16 | 53.99 |
| 5246 | 95.97 | 259.18 | 20.49 | 174 | 37.86 |
| 5624 | 95.97 | 144.44 | 43.05 | 461.94 | 196.46 |
| 11782 | 95.92 | 38.48 | 8.47 | 89.15 | 31.4 |
| 21150 | 95.89 | 199.42 | 28.46 | 43.82 | 130.34 |
| 1902 | 95.87 | 549.84 | 126.13 | 225.1 | 106.21 |
| 5340 | 95.84 | 63.81 | 20.12 | 345.77 | 185.52 |
| 5481 | 95.79 | 418.88 | 70.91 | 173.42 | 97.17 |
| 4014 | 95.76 | 127.56 | 9.08 | 76.26 | 27.33 |
| 2729 | 95.73 | 1105.87 | 94.65 | 582.94 | 225.95 |
| 23311 | 95.73 | 279.83 | 32.19 | 161.14 | 47.69 |
| 13336 | 95.73 | 113.7 | 13.56 | 235.54 | 98.27 |
| 8143 | 95.71 | 170.23 | 41.48 | 36.73 | 104.73 |
| 20845 | 95.71 | 101.81 | 19.04 | 244.45 | 113.42 |
| 17455 | 95.71 | 58.94 | 16.19 | 167.12 | 68.1 |
| 22294 | 95.71 | 59.53 | 6.3 | 118.67 | 45.83 |
| 19375 | 95.68 | 71.81 | 10.84 | 154.47 | 62.84 |
| 24273 | 95.65 | 140.69 | 25.48 | 252.98 | 59.02 |
| 16184 | 95.6 | 77.92 | 12.56 | 174.14 | 62.83 |
| 14007 | 95.57 | 119.96 | 9.09 | 205.1 | 64.49 |
| 173 | 95.55 | 321.68 | 77.18 | 111.75 | 80.53 |
| 19258 | 95.52 | 418.64 | 112.72 | 116.67 | 121.67 |
| 20188 | 95.52 | 90.59 | 11.88 | 197.76 | 86.75 |
| 730 | 95.5 | 22.32 | 1.87 | 46.5 | 36.75 |
| 11708 | 95.5 | 1570.75 | 187.1 | 978.96 | 235.48 |
| 2161 | 95.47 | 718.79 | 109.4 | 368.91 | 279.54 |
| 22037 | 95.47 | 567.62 | 29.11 | 392.61 | 106.35 |
| 10008 | 95.44 | 46.79 | 1.57 | 56.98 | 45.71 |
| 18679 | 95.44 | 314.94 | 30.16 | 540.06 | 130.54 |
| 11255 | 95.44 | 43.35 | 6.45 | 91.87 | 36.98 |
| 3172 | 95.42 | 379.58 | 108 | 137.15 | 89.51 |
| 9571 | 95.36 | 102.94 | 24.96 | 258.74 | 86.25 |
| 11021 | 95.31 | 112.36 | 16.22 | 260.23 | 96.55 |
| 5662 | 95.31 | 100.36 | 9.13 | 55.73 | 25.17 |
| 17890 | 95.28 | 66.54 | 20.91 | 33.49 | 15.01 |
| 8817 | 95.28 | 534.09 | 26.54 | 796.95 | 193.84 |
| 17771 | 95.26 | 459.5 | 39.93 | 1474.61 | 829.79 |
| 5561 | 95.26 | 635.86 | 54.55 | 410.29 | 115.15 |
| 7936 | 95.26 | 30.51 | 2.08 | 53.18 | 17.85 |
| 8710 | 95.23 | 99.02 | 32.46 | 24.8 | 34.56 |
| 3791 | 95.2 | 123 | 19.41 | 225.78 | 55.92 |
| 22476 | 95.18 | 797.35 | 122.65 | 464.58 | 134.58 |
| 11588 | 95.18 | 158.03 | 13.52 | 90.91 | 35.29 |
| 5073 | 95.1 | 219.4 | 24.53 | 96.08 | 77.65 |
| 17343 | 95.07 | 141.9 | 41.79 | 41.44 | 49.31 |
| 7106 | 95.02 | 162.46 | 51.13 | 40.3 | 44.28 |
| 23542 | 94.99 | 411.48 | 75.6 | 220.51 | 81.08 |
| 15171 | 94.99 | 401.02 | 57.08 | 254.06 | 284.55 |
| 1620 | 94.91 | 76.11 | 5.81 | 128.03 | 54.9 |
| 22282 | 94.91 | 53.07 | 5.52 | 94.39 | 29.7 |
| 23047 | 94.78 | 20.65 | 1.74 | 37.72 | 15.03 |

| TABLE 5AA: CPA | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | | | | |
| Attorney Docket 44921-5033-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLGC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25507 | 94.7 | 35.38 | 7.64 | 80.16 | 43.95 |
| 11840 | 94.49 | 105.07 | 9.11 | 69.26 | 36.62 |
| 1283 | 94.46 | 37.16 | 4.76 | 102.56 | 52.44 |
| 20450 | 94.28 | 30.71 | 6.02 | 72.59 | 29.14 |
| 2746 | 94.28 | 24.65 | 3.63 | 23.96 | 19.34 |
| 18981 | 94.12 | 89.2 | 6.31 | 166.54 | 132.76 |
| 1719 | 94.12 | 43.35 | 10.72 | 102.24 | 50.73 |
| 18227 | 94.09 | 25.11 | 2.35 | 41.74 | 13.07 |
| 21104 | 94.04 | 106.12 | 6 | 68.88 | 31.42 |
| 209 | 94.04 | 22.96 | 0.93 | 25.22 | 15.43 |
| 9092 | 93.91 | 38.28 | 12.47 | 93.58 | 34.44 |
| 18867 | 93.64 | 641.41 | 32.27 | 826.38 | 223.34 |
| 1241 | 93.51 | 22.92 | 3.87 | 46.92 | 21.81 |
| 17110 | 93.43 | 37.14 | 11.24 | 76.55 | 22.5 |
| 4683 | 93.43 | 101.33 | 9.45 | 168.13 | 88.83 |
| 6601 | 93.4 | 25.25 | 2.88 | 48.15 | 27.27 |
| 25805 | 93.3 | 23.16 | 5.04 | 51.26 | 19.17 |
| 16653 | 93.24 | 101.11 | 12.46 | 158.16 | 36 |
| 17439 | 93.22 | 57.45 | 13.99 | 114.85 | 48.83 |
| 23293 | 93.19 | 26.58 | 3.94 | 47.7 | 13.41 |
| 8207 | 93.14 | 34.49 | 5.31 | 64.35 | 20.12 |
| 1914 | 93.14 | 52.99 | 3.62 | 85.25 | 36.56 |
| 25707 | 93.11 | 44.37 | 3.98 | 88.57 | 53.72 |
| 15573 | 93.06 | 36.21 | 4.13 | 55.86 | 16.25 |
| 826 | 93.03 | 152.42 | 12.77 | 96.77 | 37.55 |
| 4292 | 93 | 34.66 | 5 | 64.12 | 24.26 |
| 16263 | 92.98 | 84.73 | 2.55 | 95.36 | 29.63 |
| 20373 | 92.98 | 53.95 | 6.96 | 88.33 | 32.6 |
| 23826 | 92.93 | 94.27 | 7.56 | 145.43 | 57.8 |
| 23302 | 92.87 | 43.51 | 1.71 | 36.69 | 21.31 |
| 18883 | 92.74 | 24.09 | 3.93 | 40.68 | 13.3 |
| 17764 | 92.69 | 1657.6 | 115 | 1186.76 | 461.24 |
| 20701 | 92.58 | 603.05 | 28.74 | 883.92 | 394.46 |
| 25479 | 92.55 | 1592.53 | 85.74 | 1189.03 | 285.05 |
| 19238 | 92.45 | 50.15 | 6.3 | 84.92 | 30.78 |
| 9126 | 92.42 | 46.46 | 6.75 | 93.88 | 45.91 |
| 17976 | 92.34 | 40.43 | 12.4 | 78.1 | 26.9 |
| 1375 | 92.32 | 53.48 | 5.77 | 85.73 | 29.06 |
| 20784 | 92.24 | 589.17 | 42.47 | 390.96 | 143.52 |
| 20283 | 92.16 | 50.37 | 12.41 | 114.02 | 53.58 |
| 1143 | 92.1 | 49.08 | 11.87 | 96.96 | 56.62 |
| 24392 | 91.81 | 52.5 | 11 | 101.15 | 41.81 |
| 15610 | 91.76 | 23.38 | 7.97 | 53.7 | 22.79 |
| 14926 | 91.73 | 40.32 | 9.96 | 86.49 | 31.25 |
| 25754 | 91.6 | 21.19 | 2.5 | 39.72 | 17.67 |
| 16922 | 91.55 | 1104.21 | 54.05 | 833.35 | 196.16 |
| 20236 | 91.36 | 68.89 | 16.41 | 149.2 | 74.94 |
| 889 | 91.31 | 28.61 | 5.71 | 57.55 | 25.48 |
| 229 | 91.2 | 931.81 | 106.68 | 679.77 | 159.28 |
| 1624 | 91.07 | 203.55 | 11.31 | 262.08 | 53.25 |
| 16332 | 91.04 | 39.42 | 9.94 | 79.21 | 37.41 |

| TABLE 5AA: CPA | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935328.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16825 | 91.04 | 35.83 | 8.73 | 21.62 | 11.53 |
| 24473 | 91.04 | 92.38 | 8.24 | 139.15 | 43.01 |
| 16108 | 91.04 | 173.14 | 7.06 | 140.36 | 27.59 |
| 21915 | 90.99 | 759.26 | 80.93 | 564.61 | 133.43 |
| 17577 | 90.96 | 31.71 | 9.67 | 72.29 | 28.89 |
| 25343 | 90.94 | 35.44 | 8.05 | 70.71 | 30.5 |
| 24621 | 90.94 | 41 | 7.36 | 73.88 | 28.41 |
| 2643 | 90.89 | 26.15 | 5.54 | 51.02 | 20.81 |
| 25216 | 90.89 | 25.75 | 4.45 | 52.69 | 36.06 |
| 10980 | 90.83 | 20.78 | 7.05 | 47.51 | 19.94 |
| 14925 | 90.83 | 193.95 | 25.99 | 323.81 | 105 |
| 17206 | 90.78 | 42.9 | 9.6 | 79.16 | 26.01 |
| 24757 | 90.75 | 46.07 | 10.04 | 77.86 | 31.85 |
| 16924 | 90.7 | 330.54 | 72.13 | 188.19 | 110.76 |
| 24 | 90.62 | 23.27 | 7.38 | 52.69 | 25.07 |
| 976 | 90.57 | 21.19 | 4.73 | 38.49 | 15.85 |
| 24430 | 90.54 | 22.06 | 2.05 | 30.92 | 19.92 |
| 16383 | 90.54 | 28.2 | 7.68 | 55.87 | 39.49 |
| 24869 | 90.51 | 35.21 | 13.55 | 83.74 | 39.46 |
| 11839 | 90.51 | 24.75 | 10.1 | 72.07 | 43.23 |
| 9074 | 90.51 | 76.08 | 9.9 | 119.79 | 44.6 |
| 15185 | 90.38 | 66.86 | 4.27 | 61.06 | 101.26 |
| 18897 | 90.28 | 66.18 | 13.15 | 122.46 | 46.55 |
| 2356 | 90.28 | 70.82 | 8.07 | 106.24 | 29.47 |
| 3928 | 90.28 | 28.23 | 5.06 | 54.93 | 22.13 |
| 18618 | 90.14 | 1292.25 | 36.59 | 1150.73 | 216.85 |
| 17649 | 90.04 | 21.9 | 3.61 | 50.27 | 28.14 |
| 20854 | 90.01 | 31.79 | 4.85 | 67.6 | 50.26 |
| 2070 | 90.01 | 45.04 | 8.46 | 81.28 | 27.05 |
| 16912 | 90.01 | 221.66 | 21.16 | 303.16 | 79.12 |
| 3783 | 89.98 | 20.05 | 5.91 | 40.16 | 15.06 |
| 16768 | 89.96 | 544.26 | 29.95 | 494.82 | 162.98 |
| 442 | 89.9 | 20.59 | 3.46 | 37.22 | 16.12 |
| 20402 | 89.88 | 26.04 | 5.63 | 44.89 | 14.65 |
| 25322 | 89.85 | 84.09 | 22.98 | 158.7 | 55.28 |
| 16839 | 89.85 | 29.32 | 9.43 | 59.27 | 28.22 |

| TABLE 5BB: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2248 | 99.42 | 123.05 | 20.63 | 276.37 | 64.08 |
| 22512 | 99.18 | 336.76 | 228.52 | 30.43 | 59.64 |
| 14081 | 99.18 | 750.44 | 470.01 | 42.44 | 119.33 |
| 22514 | 99.02 | 552.77 | 366.47 | 52.29 | 74.71 |
| 18465 | 99.02 | 696.39 | 23.92 | 275.39 | 190.6 |
| 6431 | 98.97 | 1162.87 | 697.58 | 184.89 | 232.1 |
| 18580 | 98.97 | 957.57 | 165.01 | 224.79 | 140.2 |
| 14504 | 98.94 | 1105.51 | 793.3 | 141.66 | 169.98 |
| 23555 | 98.89 | 215.07 | 62.04 | 28.99 | 30.81 |
| 13353 | 98.86 | 99.16 | 10.35 | 285.39 | 60.5 |
| 3452 | 98.86 | 194.02 | 36.2 | 31.77 | 32.37 |
| 22513 | 98.86 | 6348.24 | 2457.86 | 25.17 | 731.18 |
| 21445 | 98.86 | 146.46 | 45.47 | 20.44 | 49.88 |
| 19703 | 98.83 | 38.21 | 5.5 | 111.44 | 38.67 |
| 25052 | 98.83 | 1017.44 | 639.62 | 31.88 | 130.45 |
| 23889 | 98.81 | 54.47 | 14 | 181.08 | 60.56 |
| 4444 | 98.81 | 42.8 | 23.25 | 618.7 | 352.58 |
| 20803 | 98.81 | 70.55 | 7.85 | 286.63 | 114.33 |
| 24237 | 98.81 | 911.16 | 255.19 | 186.41 | 102.92 |
| 7225 | 98.78 | 719.26 | 93.75 | 342.63 | 93.48 |
| 17281 | 98.73 | 201.68 | 20.99 | 629.02 | 191.28 |
| 1809 | 98.7 | 3248.17 | 2400.05 | 128.8 | 721.62 |
| 22515 | 98.65 | 3274.06 | 1504.56 | 123.05 | 365.16 |
| 7697 | 98.62 | 123.53 | 16.25 | 451.92 | 149.95 |
| 20529 | 98.62 | 1526.01 | 706.95 | 129.08 | 178.59 |
| 11966 | 98.57 | 159.04 | 4.79 | 295.17 | 95.77 |
| 14600 | 98.57 | 313.62 | 64.89 | 116.49 | 54.82 |
| 4026 | 98.54 | 957.89 | 143.85 | 373.03 | 129.82 |
| 17913 | 98.52 | 92.83 | 15.81 | 195.84 | 44.19 |
| 21281 | 98.46 | 116.9 | 18.8 | 307.3 | 79.38 |
| 20698 | 98.46 | 3100.88 | 519.76 | 894.92 | 436.82 |
| 22522 | 98.44 | 111.57 | 20.12 | 248.85 | 63.35 |
| 1561 | 98.44 | 2089.87 | 444.45 | 870.4 | 215.28 |
| 21660 | 98.44 | 4788.18 | 968.74 | 1744.98 | 724.08 |
| 12577 | 98.44 | 1074.93 | 280.47 | 156.76 | 140.13 |
| 25290 | 98.38 | 157.38 | 13.62 | 50.51 | 74.77 |
| 6532 | 98.38 | 260.11 | 19.09 | 140.84 | 43.61 |
| 9166 | 98.33 | 130.71 | 46.97 | 28.83 | 18.32 |
| 11904 | 98.31 | 160.67 | 12.68 | 60.38 | 43.62 |
| 21740 | 98.31 | 2324.58 | 720.55 | 735.41 | 291.35 |
| 5197 | 98.25 | 665.08 | 91.17 | 332.53 | 86 |
| 1175 | 98.23 | 72.7 | 15.21 | 631.74 | 347.72 |
| 11553 | 98.23 | 263.42 | 25.11 | 92.62 | 46.25 |
| 22598 | 98.2 | 2883.49 | 1095.79 | 993.37 | 345.97 |
| 18994 | 98.2 | 57.38 | 2.69 | 29.85 | 12.42 |
| 699 | 98.2 | 1237.14 | 187.92 | 610.41 | 155.87 |
| 26320 | 98.15 | 144.01 | 56.59 | 23.9 | 32.81 |
| 11720 | 98.15 | 1489.98 | 359.38 | 743.47 | 267.56 |
| 16809 | 98.15 | 130.18 | 28.14 | 29.63 | 25.5 |
| 21657 | 98.12 | 1770.79 | 258.03 | 750.1 | 290.74 |
| 4439 | 98.12 | 502.34 | 119.99 | 222.01 | 60.98 |

| TABLE 5B3: DICLOFENAC | | | | | |
|----------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): 24, hrs | | | | | |
| Attorney Docket 44921-5033-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1221 | 98.12 | 627.32 | 163.76 | 31.87 | 119.86 |
| 3265 | 98.09 | 62.91 | 17.76 | 225.9 | 90.16 |
| 1854 | 98.09 | 5465.43 | 775.66 | 1968.13 | 947.45 |
| 20354 | 98.09 | 350.06 | 81.49 | 51.73 | 57.86 |
| 2939 | 98.07 | 45.3 | 15.15 | 208.16 | 81.81 |
| 15189 | 98.07 | 5969.98 | 386.71 | 1653.18 | 1653.8 |
| 6479 | 98.07 | 2289.3 | 197.25 | 1041.02 | 391.42 |
| 8522 | 98.07 | 480.18 | 173.39 | 149.92 | 76.01 |
| 1850 | 98.07 | 6728.75 | 1010.26 | 2461.72 | 1089.81 |
| 19 | 98.07 | 1463.42 | 232.84 | 590.66 | 210.37 |
| 16367 | 98.04 | 304.75 | 182.47 | 1419.78 | 542.72 |
| 4969 | 98.04 | 1755.88 | 638.34 | 261.33 | 250.1 |
| 11203 | 98.01 | 68.58 | 2.09 | 42.4 | 18.09 |
| 2161 | 98.01 | 1595.75 | 274.89 | 367.24 | 274.12 |
| 6018 | 97.99 | 749.11 | 182.64 | 5848.41 | 3949.32 |
| 24249 | 97.99 | 428.32 | 12.89 | 1446.45 | 1263.42 |
| 7784 | 97.96 | 40.67 | 11.95 | 121.82 | 50.8 |
| 4191 | 97.96 | 258.34 | 4.33 | 183.79 | 78.42 |
| 22030 | 97.96 | 7883.99 | 135.84 | 8120.43 | 4261.97 |
| 11959 | 97.93 | 40.15 | 4.6 | 97.1 | 31.57 |
| 2310 | 97.93 | 603.36 | 352.07 | 90.42 | 99.17 |
| 22321 | 97.91 | 177.49 | 38 | 77.19 | 109.51 |
| 563 | 97.88 | 2576.2 | 241.31 | 1370.88 | 388.51 |
| 5110 | 97.88 | 870.99 | 206.61 | 322.35 | 110.36 |
| 24082 | 97.85 | 262.26 | 14.27 | 158.75 | 62.78 |
| 6862 | 97.85 | 151.27 | 16.77 | 320.59 | 110.78 |
| 4084 | 97.85 | 71.15 | 12.44 | 194.07 | 64.18 |
| 23321 | 97.83 | 63.68 | 31.09 | 238.36 | 64.78 |
| 3504 | 97.83 | 559.61 | 125.07 | 284.83 | 82.89 |
| 26133 | 97.8 | 649.04 | 133.72 | 191.79 | 217.17 |
| 9842 | 97.8 | 831.74 | 70.75 | 1604.42 | 413.81 |
| 10659 | 97.8 | 648.61 | 122.28 | 157.32 | 138.92 |
| 14481 | 97.78 | 1271.59 | 344.57 | 489.91 | 168.45 |
| 20 | 97.78 | 852.43 | 123.48 | 346.14 | 135.56 |
| 2555 | 97.78 | 383.1 | 140.99 | 126.87 | 88.36 |
| 3292 | 97.78 | 7492.5 | 1443.96 | 2555 | 1370.84 |
| 20605 | 97.75 | 246.93 | 38.56 | 112.87 | 50.48 |
| 309 | 97.75 | 1276.81 | 260.98 | 694.08 | 136.26 |
| 15284 | 97.75 | 399.67 | 66.24 | 201.11 | 56.2 |
| 17340 | 97.75 | 3144.79 | 753.44 | 1199.84 | 591.08 |
| 19411 | 97.72 | 103.78 | 16.34 | 33.84 | 21.73 |
| 19082 | 97.7 | 448.09 | 14.54 | 318.06 | 60.33 |
| 8597 | 97.67 | 175.18 | 13.53 | 102.88 | 33.13 |
| 20701 | 97.67 | 2490.8 | 624.91 | 879.77 | 386.8 |
| 11596 | 97.64 | 204.07 | 8.62 | 112.17 | 51.53 |
| 4951 | 97.64 | 657.08 | 84.96 | 204.22 | 158.01 |
| 10320 | 97.62 | 36.54 | 3.72 | 78.9 | 23.21 |
| 412 | 97.62 | 4643.75 | 1399.8 | 1637.06 | 815.45 |
| 6296 | 97.56 | 84.44 | 0.49 | 87.19 | 27.36 |
| 20889 | 97.54 | 435.07 | 184.77 | 155.58 | 72.49 |
| 15652 | 97.51 | 2207.48 | 158.31 | 1501.42 | 366.17 |

| TABLE 5B: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23569 | 97.51 | 120.9 | 29.9 | 261.09 | 59.61 |
| 16726 | 97.46 | 292.15 | 101.58 | 792.75 | 196.26 |
| 155 | 97.46 | 105.31 | 49.11 | 41.74 | 26.6 |
| 358 | 97.4 | 2982.73 | 459.97 | 1475.19 | 463.5 |
| 23869 | 97.4 | 175.4 | 32.45 | 65.04 | 132.7 |
| 4450 | 97.38 | 99.16 | 6.61 | 197.15 | 61.13 |
| 8097 | 97.38 | 1564.26 | 321.91 | 807.52 | 193.29 |
| 21977 | 97.35 | 175.05 | 58.91 | 708.56 | 219.76 |
| 21978 | 97.33 | 62.93 | 7.26 | 177.97 | 66.66 |
| 25112 | 97.3 | 42.85 | 0.76 | 22.12 | 19.76 |
| 20707 | 97.3 | 68.7 | 64.18 | 607.34 | 298.88 |
| 16519 | 97.27 | 1229.29 | 290.23 | 368.96 | 220.83 |
| 16446 | 97.27 | 28.54 | 1.46 | 62.46 | 20.61 |
| 5622 | 97.22 | 2725.41 | 505.82 | 1593.05 | 373.48 |
| 4314 | 97.17 | 215.14 | 33.24 | 455.42 | 117.76 |
| 15115 | 97.17 | 49.63 | 3.52 | 26.46 | 13.62 |
| 23868 | 97.14 | 579.71 | 92.07 | 235.15 | 688.31 |
| 23322 | 97.14 | 185.8 | 85.55 | 556.77 | 145.98 |
| 2153 | 97.14 | 59.02 | 10.93 | 27.5 | 16.14 |
| 2853 | 97.11 | 121.1 | 21.77 | 57.69 | 45.93 |
| 24228 | 97.09 | 1920.8 | 552.93 | 977.26 | 259.71 |
| 21014 | 97.06 | 418.99 | 61.15 | 1043.77 | 351.03 |
| 23301 | 97.06 | 92.56 | 16.56 | 188.16 | 47.67 |
| 8210 | 97.06 | 405.39 | 124.68 | 126.29 | 86.65 |
| 15626 | 97.06 | 2124.33 | 290.87 | 1329.46 | 251.25 |
| 20114 | 97.03 | 64.45 | 6.01 | 27.02 | 26.71 |
| 19392 | 97.03 | 2795.11 | 688.74 | 1455.54 | 349.41 |
| 20298 | 96.98 | 637.18 | 8.37 | 508.65 | 152.64 |
| 3604 | 96.98 | 42.06 | 4.01 | 80.53 | 22.91 |
| 5384 | 96.98 | 131.54 | 29.81 | 27.29 | 61.5 |
| 16366 | 96.95 | 182.94 | 101.39 | 798.85 | 304 |
| 16198 | 96.93 | 194.54 | 41.59 | 93.11 | 37.06 |
| 21707 | 96.93 | 206.79 | 62.29 | 40.94 | 52.29 |
| 18541 | 96.93 | 1513.68 | 54.25 | 1076.93 | 225.43 |
| 10306 | 96.9 | 684.54 | 148.28 | 343.87 | 103.05 |
| 4198 | 96.9 | 1755.06 | 186.43 | 1089.27 | 230.7 |
| 25691 | 96.9 | 1243.83 | 80.1 | 887.18 | 306.88 |
| 16520 | 96.88 | 3617.88 | 707.67 | 1783.61 | 608.39 |
| 1641 | 96.85 | 237.07 | 33.58 | 110.38 | 51.88 |
| 18611 | 96.8 | 1883.04 | 397.42 | 1139.82 | 540.71 |
| 4133 | 96.74 | 132.22 | 38.36 | 375.36 | 112.11 |
| 17530 | 96.74 | 54.11 | 22.11 | 256.81 | 108.06 |
| 9134 | 96.72 | 324.43 | 15.37 | 473.65 | 107.28 |
| 24263 | 96.66 | 42.49 | 2.35 | 20.33 | 14.62 |
| 1540 | 96.66 | 77.16 | 11.72 | 161.63 | 58.63 |
| 3431 | 96.66 | 1601.08 | 72.37 | 1043.5 | 312.68 |
| 12848 | 96.61 | 62.44 | 22.75 | 194.15 | 65.15 |
| 871 | 96.61 | 78.18 | 7.85 | 43.74 | 16.04 |
| 13088 | 96.58 | 212.24 | 140.67 | 1277.88 | 438.73 |
| 15612 | 96.56 | 100.23 | 6.66 | 445.31 | 327.96 |

| TABLE 5CC: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2248 | 99.42 | 123.05 | 20.63 | 276.37 | 64.08 |
| 14081 | 99.18 | 750.44 | 470.01 | 42.44 | 119.33 |
| 18465 | 99.02 | 696.39 | 23.92 | 275.39 | 190.6 |
| 6431 | 98.97 | 1162.87 | 697.58 | 184.89 | 232.1 |
| 19703 | 98.83 | 38.21 | 5.5 | 111.44 | 38.67 |
| 20803 | 98.81 | 70.55 | 7.85 | 286.63 | 114.33 |
| 4444 | 98.81 | 42.8 | 23.25 | 618.7 | 352.58 |
| 1809 | 98.7 | 3248.17 | 2400.05 | 128.8 | 721.62 |
| 14600 | 98.57 | 313.62 | 64.89 | 116.49 | 54.82 |
| 11966 | 98.57 | 159.04 | 4.79 | 295.17 | 95.77 |
| 4026 | 98.54 | 957.89 | 143.85 | 373.03 | 129.82 |
| 17913 | 98.52 | 92.83 | 15.81 | 195.84 | 44.19 |
| 20698 | 98.46 | 3100.88 | 519.76 | 894.92 | 436.82 |
| 22522 | 98.44 | 111.57 | 20.12 | 248.85 | 63.35 |
| 6532 | 98.38 | 260.11 | 19.09 | 140.84 | 43.61 |
| 9166 | 98.33 | 130.71 | 46.97 | 28.83 | 18.32 |
| 5197 | 98.25 | 665.08 | 91.17 | 332.53 | 86 |
| 11553 | 98.23 | 263.42 | 25.11 | 92.62 | 46.25 |
| 18994 | 98.2 | 57.38 | 2.69 | 29.85 | 12.42 |
| 16809 | 98.15 | 130.18 | 28.14 | 29.63 | 25.5 |
| 11720 | 98.15 | 1489.98 | 359.38 | 743.47 | 267.56 |
| 1221 | 98.12 | 627.32 | 163.76 | 31.87 | 119.86 |
| 4439 | 98.12 | 502.34 | 119.99 | 222.01 | 60.98 |
| 21657 | 98.12 | 1770.79 | 258.03 | 750.1 | 290.74 |
| 20354 | 98.09 | 350.06 | 81.49 | 51.73 | 57.86 |
| 3265 | 98.09 | 62.91 | 17.76 | 225.9 | 90.16 |
| 19 | 98.07 | 1463.42 | 232.84 | 590.66 | 210.37 |
| 1850 | 98.07 | 6728.75 | 1010.26 | 2461.72 | 1089.81 |
| 6479 | 98.07 | 2289.3 | 197.25 | 1041.02 | 391.42 |
| 2939 | 98.07 | 45.3 | 15.15 | 208.16 | 81.81 |
| 16367 | 98.04 | 304.75 | 182.47 | 1419.78 | 542.72 |
| 2161 | 98.01 | 1595.75 | 274.89 | 367.24 | 274.12 |
| 11203 | 98.01 | 68.58 | 2.09 | 42.4 | 18.09 |
| 24249 | 97.99 | 428.32 | 12.89 | 1446.45 | 1263.42 |
| 6018 | 97.99 | 749.11 | 182.64 | 5848.41 | 3949.32 |
| 22030 | 97.96 | 7883.99 | 135.84 | 8120.43 | 4261.97 |
| 4191 | 97.96 | 258.34 | 4.33 | 183.79 | 78.42 |
| 7784 | 97.96 | 40.67 | 11.95 | 121.82 | 50.8 |
| 11959 | 97.93 | 40.15 | 4.6 | 97.1 | 31.57 |
| 4084 | 97.85 | 71.15 | 12.44 | 194.07 | 64.18 |
| 6862 | 97.85 | 151.27 | 16.77 | 320.59 | 110.78 |
| 24082 | 97.85 | 262.26 | 14.27 | 158.75 | 62.78 |
| 3504 | 97.83 | 559.61 | 125.07 | 284.83 | 82.89 |
| 23321 | 97.83 | 63.68 | 31.09 | 238.36 | 64.78 |
| 10659 | 97.8 | 648.61 | 122.28 | 157.32 | 138.92 |
| 9842 | 97.8 | 831.74 | 70.75 | 1604.42 | 413.81 |
| 2555 | 97.78 | 383.1 | 140.99 | 126.87 | 88.36 |
| 20 | 97.78 | 852.43 | 123.48 | 346.14 | 135.56 |
| 14481 | 97.78 | 1271.59 | 344.57 | 489.91 | 168.45 |
| 17340 | 97.75 | 3144.79 | 753.44 | 1199.84 | 591.08 |
| 15284 | 97.75 | 399.67 | 66.24 | 201.11 | 56.2 |

| TABLE 5CC: DICLOFENAC | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 309 | 97.75 | 1276.81 | 260.98 | 694.08 | 136.26 |
| 20605 | 97.75 | 246.93 | 38.56 | 112.87 | 50.48 |
| 19082 | 97.7 | 448.09 | 14.54 | 318.06 | 60.33 |
| 20701 | 97.67 | 2490.8 | 624.91 | 879.77 | 386.8 |
| 8597 | 97.67 | 175.18 | 13.53 | 102.88 | 33.13 |
| 4951 | 97.64 | 657.08 | 84.96 | 204.22 | 158.01 |
| 412 | 97.62 | 4643.75 | 1399.8 | 1637.06 | 815.45 |
| 10320 | 97.62 | 36.54 | 3.72 | 78.9 | 23.21 |
| 6296 | 97.56 | 84.44 | 0.49 | 87.19 | 27.36 |
| 9583 | 97.56 | 299.68 | 83.41 | 61.1 | 99.67 |
| 8817 | 97.56 | 1208.25 | 71.46 | 795.38 | 193.32 |
| 20889 | 97.54 | 435.07 | 184.77 | 155.58 | 72.49 |
| 6825 | 97.54 | 220.78 | 18.83 | 427.45 | 116.42 |
| 12108 | 97.54 | 162.64 | 23.68 | 354.51 | 99.65 |
| 21209 | 97.51 | 409.26 | 138.72 | 83.36 | 83.88 |
| 6366 | 97.51 | 634.09 | 146.11 | 274.67 | 103.36 |
| 1690 | 97.51 | 333.9 | 55.29 | 150.91 | 49.41 |
| 16706 | 97.51 | 341.19 | 41.09 | 183.25 | 51.87 |
| 23569 | 97.51 | 120.9 | 29.9 | 261.09 | 59.61 |
| 15652 | 97.51 | 2207.48 | 158.31 | 1501.42 | 366.17 |
| 8215 | 97.48 | 898.23 | 238.43 | 386.94 | 135.31 |
| 18239 | 97.46 | 125.92 | 19 | 31.14 | 28.12 |
| 155 | 97.46 | 105.31 | 49.11 | 41.74 | 26.6 |
| 16726 | 97.46 | 292.15 | 101.58 | 792.75 | 196.26 |
| 19412 | 97.43 | 747.4 | 71.56 | 387 | 117.83 |
| 21871 | 97.43 | 595.81 | 105.03 | 323.19 | 79.41 |
| 358 | 97.4 | 2982.73 | 459.97 | 1475.19 | 463.5 |
| 23869 | 97.4 | 175.4 | 32.45 | 65.04 | 132.7 |
| 6189 | 97.38 | 434.7 | 248.73 | 3932.55 | 2204.54 |
| 4450 | 97.38 | 99.16 | 6.61 | 197.15 | 61.13 |
| 8097 | 97.38 | 1564.26 | 321.91 | 807.52 | 193.29 |
| 21977 | 97.35 | 175.05 | 58.91 | 708.56 | 219.76 |
| 3773 | 97.35 | 279.96 | 56.93 | 67.59 | 60.5 |
| 5111 | 97.35 | 686.4 | 173.48 | 235.43 | 134.49 |
| 10532 | 97.35 | 570.1 | 71.47 | 279.06 | 93.25 |
| 1431 | 97.33 | 28.55 | 23.44 | 433.11 | 188.55 |
| 22619 | 97.33 | 710.18 | 106.2 | 299.88 | 114.53 |
| 11438 | 97.33 | 147.39 | 15.6 | 67.58 | 27.21 |
| 11322 | 97.33 | 1129.97 | 93.13 | 701 | 170.55 |
| 10269 | 97.33 | 3302.71 | 386.33 | 2041.79 | 390.93 |
| 8794 | 97.33 | 2165.18 | 720.69 | 1099.96 | 281.4 |
| 22746 | 97.3 | 707.53 | 186.64 | 277.13 | 131.57 |
| 25112 | 97.3 | 42.85 | 0.76 | 22.12 | 19.76 |
| 20707 | 97.3 | 68.7 | 64.18 | 607.34 | 298.88 |
| 16446 | 97.27 | 28.54 | 1.46 | 62.46 | 20.61 |
| 24200 | 97.27 | 1227.62 | 173.04 | 438.65 | 250.36 |
| 16519 | 97.27 | 1229.29 | 290.23 | 368.96 | 220.83 |
| 11934 | 97.25 | 140.68 | 16.52 | 76.25 | 22.82 |
| 23422 | 97.25 | 82.48 | 7.53 | 46.51 | 18.73 |
| 5622 | 97.22 | 2725.41 | 505.82 | 1593.05 | 373.48 |
| 15115 | 97.17 | 49.63 | 3.52 | 26.46 | 13.62 |

| TABLE 5CC: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23868 | 97.14 | 579.71 | 92.07 | 235.15 | 688.31 |
| 23322 | 97.14 | 185.8 | 85.55 | 556.77 | 145.98 |
| 2153 | 97.14 | 59.02 | 10.93 | 27.5 | 16.14 |
| 2853 | 97.11 | 121.1 | 21.77 | 57.69 | 45.93 |
| 21014 | 97.06 | 418.99 | 61.15 | 1043.77 | 351.03 |
| 23301 | 97.06 | 92.56 | 16.56 | 188.16 | 47.67 |
| 8210 | 97.06 | 405.39 | 124.68 | 126.29 | 86.65 |
| 15626 | 97.06 | 2124.33 | 290.87 | 1329.46 | 251.25 |
| 20114 | 97.03 | 64.45 | 6.01 | 27.02 | 26.71 |
| 20298 | 96.98 | 637.18 | 8.37 | 508.65 | 152.64 |
| 3604 | 96.98 | 42.06 | 4.01 | 80.53 | 22.91 |
| 5384 | 96.98 | 131.54 | 29.81 | 27.29 | 61.5 |
| 16366 | 96.95 | 182.94 | 101.39 | 798.85 | 304 |
| 16198 | 96.93 | 194.54 | 41.59 | 93.11 | 37.06 |
| 21707 | 96.93 | 206.79 | 62.29 | 40.94 | 52.29 |
| 18541 | 96.93 | 1513.68 | 54.25 | 1076.93 | 225.43 |
| 10306 | 96.9 | 684.54 | 148.28 | 343.87 | 103.05 |
| 4198 | 96.9 | 1755.06 | 186.43 | 1089.27 | 230.7 |
| 25691 | 96.9 | 1243.83 | 80.1 | 887.18 | 306.88 |
| 16520 | 96.88 | 3617.88 | 707.67 | 1783.61 | 608.39 |
| 1641 | 96.85 | 237.07 | 33.58 | 110.38 | 51.88 |
| 18611 | 96.8 | 1883.04 | 397.42 | 1139.82 | 540.71 |
| 4133 | 96.74 | 132.22 | 38.36 | 375.36 | 112.11 |
| 17530 | 96.74 | 54.11 | 22.11 | 256.81 | 108.06 |
| 9134 | 96.72 | 324.43 | 15.37 | 473.65 | 107.28 |
| 24263 | 96.66 | 42.49 | 2.35 | 20.33 | 14.62 |
| 1540 | 96.66 | 77.16 | 11.72 | 161.63 | 58.63 |
| 3431 | 96.66 | 1601.08 | 72.37 | 1043.5 | 312.68 |
| 12848 | 96.61 | 62.44 | 22.75 | 194.15 | 65.15 |
| 871 | 96.61 | 78.18 | 7.85 | 43.74 | 16.04 |
| 13088 | 96.58 | 212.24 | 140.67 | 1277.88 | 438.73 |
| 15612 | 96.56 | 100.23 | 6.66 | 445.31 | 327.96 |
| 2367 | 96.5 | 153.33 | 95.09 | 398.08 | 98.45 |
| 2368 | 96.45 | 519.34 | 219.75 | 1083.1 | 200.39 |
| 6774 | 96.45 | 34.91 | 2.63 | 61.67 | 17.43 |
| 25550 | 96.42 | 70.64 | 4.66 | 39.47 | 24.33 |
| 18606 | 96.42 | 1207.33 | 160.05 | 728.42 | 177.68 |
| 25276 | 96.37 | 130.69 | 3.42 | 82.19 | 44.48 |
| 15653 | 96.37 | 1638.85 | 135.67 | 1072.9 | 274.97 |
| 17541 | 96.35 | 540.76 | 254.84 | 1632.87 | 639.3 |
| 18400 | 96.35 | 113.89 | 31.38 | 49.8 | 24.43 |
| 24665 | 96.35 | 492.27 | 119.8 | 186.37 | 108.67 |
| 25480 | 96.29 | 162.71 | 72.51 | 606.67 | 192.61 |
| 18038 | 96.29 | 91.7 | 20.91 | 249.54 | 90.46 |
| 21643 | 96.27 | 1451.47 | 224.01 | 891.61 | 221.53 |
| 1173 | 96.24 | 386.94 | 112.68 | 1574.5 | 700.64 |
| 25701 | 96.21 | 59.86 | 10.02 | 141 | 47.02 |
| 20161 | 96.16 | 120.47 | 45.25 | 28.99 | 55.43 |
| 1818 | 96.13 | 4439.99 | 851.1 | 2106.14 | 824.19 |
| 12052 | 96.11 | 416.2 | 73.91 | 211.06 | 88.68 |
| 1069 | 96.05 | 2693.85 | 405.96 | 1609.08 | 390.9 |

| TABLE 5GC: DICLOFENAC | | Attorney Docket 44921-5098-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9527 | 96 | 46.68 | 19.65 | 236.3 | 129.2 |
| 20888 | 95.97 | 412.42 | 130.5 | 163.03 | 97 |
| 1099 | 95.95 | 106.98 | 12.5 | 224.9 | 72.74 |
| 25317 | 95.95 | 2669.42 | 378.25 | 1382.32 | 466.93 |
| 18564 | 95.95 | 165.29 | 41.33 | 382.07 | 96.93 |
| 17377 | 95.92 | 201.9 | 63.94 | 73.68 | 49.91 |

| TABLE 5DD: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21098 | 98.99 | 2895.56 | 298.17 | 1143.47 | 530.83 |
| 13222 | 98.57 | 412.94 | 33.98 | 244.33 | 49.84 |
| 6057 | 98.54 | 403.63 | 125.03 | 111.33 | 139.16 |
| 402 | 98.54 | 2914.7 | 355.69 | 1199.65 | 404.18 |
| 15191 | 98.49 | 5192.83 | 419.85 | 1205.02 | 1309.99 |
| 6919 | 98.49 | 1532.73 | 188.03 | 339.91 | 285.97 |
| 16859 | 98.43 | 759.09 | 81.64 | 232.86 | 108.39 |
| 23626 | 98.38 | 365.24 | 17.61 | 139.71 | 87.92 |
| 8715 | 98.38 | 3414.69 | 298.43 | 1557.34 | 640.82 |
| 3452 | 98.35 | 129.09 | 22.21 | 31.71 | 32.65 |
| 14425 | 98.27 | 2123.57 | 645.32 | 449.15 | 427.92 |
| 11830 | 98.25 | 1903.95 | 286.13 | 619.98 | 243.51 |
| 6295 | 98.25 | 2704.98 | 310.32 | 1085.88 | 426.2 |
| 20354 | 98.2 | 311.83 | 57.77 | 51.26 | 57.05 |
| 1844 | 98.06 | 386.32 | 100.75 | 113.99 | 61.69 |
| 12306 | 98.06 | 3648.59 | 940.68 | 1135.82 | 502.5 |
| 1221 | 98.04 | 527.52 | 137.11 | 31.03 | 118.66 |
| 356 | 97.98 | 354.82 | 49.42 | 145.21 | 64.12 |
| 14997 | 97.93 | 1153.88 | 376.73 | 285.42 | 271.16 |
| 21568 | 97.88 | 269.87 | 99.63 | 66.65 | 49.99 |
| 24200 | 97.88 | 1517.94 | 278.19 | 435.74 | 242.77 |
| 4670 | 97.88 | 2496.11 | 502 | 480.38 | 410.8 |
| 18783 | 97.82 | 737.39 | 64.53 | 389.2 | 112.99 |
| 548 | 97.8 | 57.46 | 14.06 | 400.27 | 222.71 |
| 1841 | 97.72 | 233.58 | 57.2 | 46.74 | 51.26 |
| 6891 | 97.66 | 264.26 | 28.13 | 544.98 | 219.71 |
| 2557 | 97.66 | 92.91 | 19.66 | 35.46 | 16.47 |
| 19 | 97.66 | 1290.82 | 157.48 | 589.54 | 209.47 |
| 22906 | 97.61 | 2114.49 | 469.86 | 555.71 | 414 |
| 23606 | 97.58 | 1317.16 | 356.02 | 402.85 | 216.17 |
| 2655 | 97.4 | 69.75 | 18.39 | 287.17 | 169.4 |
| 21707 | 97.35 | 212.84 | 51.62 | 40.56 | 51.66 |
| 5384 | 97.27 | 148.99 | 35.13 | 27 | 61.22 |
| 16562 | 97.27 | 473.78 | 127.36 | 205.24 | 71.09 |
| 23608 | 97.19 | 1208.38 | 291.55 | 396.25 | 181.28 |
| 14561 | 97.13 | 301.51 | 38.61 | 180.81 | 57.5 |
| 3617 | 97.11 | 2739.52 | 313.16 | 1367.84 | 516.18 |
| 16821 | 97.08 | 1060.67 | 209.13 | 535.3 | 143.56 |
| 9424 | 97.05 | 2225.46 | 477.8 | 1008.91 | 374.91 |
| 23491 | 97.03 | 37.59 | 15.67 | 140.44 | 66.6 |
| 15190 | 96.95 | 6551.63 | 708.1 | 1820.91 | 1692.04 |
| 2359 | 96.89 | 22.13 | 11.54 | 101.28 | 46.5 |
| 18795 | 96.89 | 1412.82 | 402.36 | 538.19 | 196.3 |
| 19012 | 96.82 | 896.84 | 128.33 | 438.96 | 163.43 |
| 6479 | 96.76 | 2129.89 | 252.93 | 1039.05 | 389.39 |
| 12792 | 96.71 | 107.68 | 14.92 | 42.38 | 35.81 |
| 10270 | 96.71 | 20.84 | 19.68 | 140.18 | 62.9 |
| 2368 | 96.71 | 658.98 | 74.66 | 1083.7 | 200.52 |
| 8477 | 96.66 | 625.57 | 128.85 | 300.92 | 116.79 |
| 2961 | 96.55 | 94.68 | 17.39 | 41.06 | 20.17 |
| 20 | 96.55 | 719.66 | 108.64 | 345.63 | 135.46 |

| TABLE 5DD: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3773 | 96.52 | 237.12 | 61.33 | 67.32 | 60.27 |
| 17664 | 96.5 | 715.67 | 141.01 | 279.32 | 160.36 |
| 17950 | 96.36 | 195.3 | 21.06 | 106.91 | 40.34 |
| 14776 | 96.36 | 52.62 | 7.91 | 148.14 | 49.23 |
| 16327 | 96.28 | 236.77 | 64.26 | 544.9 | 157.57 |
| 1639 | 96.28 | 101.27 | 17.82 | 197.14 | 45.79 |
| 7913 | 96.13 | 312.36 | 54.3 | 165.09 | 71.72 |
| 15103 | 96.05 | 134.3 | 3.56 | 179.38 | 33.07 |
| 22840 | 96.02 | 1649.81 | 308.3 | 873.65 | 258.97 |
| 12946 | 96.02 | 155.12 | 26.49 | 349.58 | 99.66 |
| 12088 | 95.83 | 241.33 | 35.14 | 119.28 | 53.51 |
| 17800 | 95.78 | 40.88 | 10.48 | 102.12 | 36.29 |
| 20161 | 95.78 | 100.16 | 34.79 | 28.88 | 55.44 |
| 15189 | 95.78 | 5938.56 | 990.57 | 1644.15 | 1642.84 |
| 25317 | 95.73 | 2601.23 | 361 | 1379.88 | 464.15 |
| 7451 | 95.7 | 1878.35 | 262.08 | 1137.68 | 307.82 |
| 8368 | 95.62 | 43.09 | 29.16 | 192.84 | 79.45 |
| 23230 | 95.59 | 164.32 | 20.46 | 302.08 | 105.02 |
| 17564 | 95.49 | 314.92 | 17.82 | 493.73 | 137.7 |
| 11021 | 95.46 | 82.39 | 25.14 | 260.59 | 96.22 |
| 21574 | 95.41 | 533.56 | 84.01 | 985.01 | 271.75 |
| 23349 | 95.3 | 82.47 | 6.75 | 132.74 | 33.79 |
| 21679 | 95.28 | 24.4 | 6.35 | 61.71 | 24.1 |
| 22733 | 95.22 | 63.55 | 12.91 | 26.38 | 20.47 |
| 6918 | 95.22 | 518.65 | 16.4 | 416.5 | 384.38 |
| 24219 | 95.2 | 742.54 | 85.54 | 379.34 | 187.82 |
| 15606 | 95.14 | 394.1 | 34.7 | 611.57 | 139.67 |
| 5451 | 95.09 | 378.74 | 18.2 | 270.07 | 89.54 |
| 23369 | 94.9 | 83.29 | 25.57 | 227.13 | 80.12 |
| 15170 | 94.88 | 78.6 | 28.28 | 196.67 | 56.39 |
| 21368 | 94.8 | 81.82 | 12.05 | 174.81 | 54.32 |
| 13557 | 94.77 | 356.74 | 47.35 | 636.66 | 160.37 |
| 4383 | 94.75 | 156.27 | 23.64 | 83.9 | 33.37 |
| 21062 | 94.72 | 76.05 | 16.15 | 24.89 | 77.95 |
| 3722 | 94.69 | 726.67 | 105.31 | 395.48 | 144.35 |
| 3730 | 94.67 | 3264.3 | 637.18 | 1641.3 | 693.25 |
| 16561 | 94.64 | 393.63 | 76.06 | 227.68 | 69.2 |
| 26335 | 94.64 | 2858.06 | 627.98 | 1130.13 | 748.06 |
| 1114 | 94.59 | 817.1 | 46.37 | 566.08 | 206.94 |
| 959 | 94.56 | 44.1 | 4.28 | 21.21 | 14.97 |
| 10918 | 94.48 | 276.78 | 35.51 | 161.42 | 60.59 |
| 8237 | 94.45 | 170.84 | 35.21 | 90.4 | 35.69 |
| 6598 | 94.45 | 379.04 | 52.96 | 182.85 | 84.47 |
| 8725 | 94.35 | 68.91 | 10.95 | 23.29 | 25.02 |
| 1877 | 94.35 | 374.31 | 61.37 | 697.52 | 185.52 |
| 2193 | 94.35 | 89.18 | 16.09 | 42.41 | 29.51 |
| 10958 | 94.35 | 76.5 | 10.79 | 41.87 | 16.04 |
| 11840 | 94.32 | 32.38 | 3.98 | 69.51 | 36.62 |
| 5719 | 94.32 | 21.26 | 22.19 | 86.48 | 33.42 |
| 15755 | 94.24 | 446.61 | 57.29 | 741.64 | 180.47 |
| 12422 | 94.24 | 42.86 | 4.56 | 68.97 | 21.6 |

| TABLE 5DD: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20715 | 94.21 | 449.89 | 61.9 | 383.88 | 432 |
| 10248 | 94.19 | 52.62 | 9.25 | 25.86 | 25.23 |
| 1805 | 94.19 | 2725.65 | 331.2 | 1449.2 | 630.73 |
| 228 | 94.16 | 384.45 | 12.49 | 485.4 | 121.74 |
| 6013 | 94.03 | 3000.23 | 187.33 | 1899.84 | 625.62 |
| 16135 | 94 | 5451.45 | 291.82 | 3555.2 | 2539.97 |
| 23300 | 94 | 124.15 | 13.1 | 254.63 | 97.85 |
| 23368 | 93.92 | 24 | 7.28 | 76.35 | 35.27 |
| 12010 | 93.9 | 59.33 | 4.75 | 106.17 | 37.5 |
| 18302 | 93.76 | 404.35 | 116.32 | 146 | 137.28 |
| 1404 | 93.71 | 23.16 | 6.66 | 64.75 | 30.9 |
| 1876 | 93.52 | 415.08 | 82.79 | 775.09 | 202.2 |
| 17787 | 93.47 | 2375.51 | 97.48 | 1559.9 | 1004.11 |
| 18402 | 93.47 | 34.87 | 8.04 | 69.71 | 21.06 |
| 15188 | 93.44 | 136.62 | 9.03 | 188.86 | 35.57 |
| 960 | 93.39 | 130.81 | 14.13 | 215.85 | 65.85 |
| 18723 | 93.31 | 364.82 | 40.26 | 556.56 | 126.38 |
| 1904 | 93.31 | 513.91 | 65.51 | 976.01 | 545.92 |
| 1804 | 93.26 | 4964.54 | 605.41 | 2595.22 | 1260.97 |
| 18564 | 93.15 | 220.08 | 37.71 | 382.3 | 96.96 |
| 17379 | 93.13 | 229.33 | 24.92 | 117.99 | 71.05 |
| 23348 | 93.13 | 47 | 3.97 | 75.54 | 22.33 |
| 21827 | 93.1 | 111.01 | 11.85 | 164.08 | 37.68 |
| 13092 | 92.97 | 42.78 | 38.01 | 221.01 | 123.49 |
| 14591 | 92.94 | 32.03 | 7.91 | 70.16 | 24.41 |
| 16130 | 92.83 | 5184.54 | 390.69 | 3525.46 | 2339.12 |
| 15675 | 92.81 | 284.38 | 35.01 | 449.15 | 187.1 |
| 25563 | 92.73 | 883.55 | 158.59 | 1406.91 | 309.32 |
| 15017 | 92.6 | 5560.91 | 358.68 | 3971.97 | 2710.22 |
| 15426 | 92.3 | 170.4 | 21.13 | 266.54 | 62.97 |
| 23569 | 92.3 | 172.2 | 24.29 | 261.17 | 59.74 |
| 15936 | 92.25 | 48.19 | 11.55 | 24.69 | 17.52 |
| 16123 | 92.2 | 161.58 | 42.01 | 82.27 | 68.22 |
| 16401 | 92.17 | 8708.17 | 642.14 | 5353.63 | 5001.54 |
| 10530 | 92.14 | 56.5 | 9.41 | 101.21 | 34.36 |
| 16150 | 92.09 | 933.17 | 99.46 | 668.68 | 277.14 |
| 6478 | 92.09 | 6079 | 548.16 | 3223.82 | 1796.75 |
| 8641 | 92.04 | 435.2 | 70.94 | 221.17 | 143.8 |
| 21013 | 92.04 | 2865.74 | 139.93 | 2614.05 | 1219.9 |
| 1843 | 92.02 | 79.5 | 14.81 | 29.38 | 16.31 |
| 17109 | 92.01 | 7214.62 | 625.72 | 4950.32 | 4394.45 |
| 21917 | 91.97 | 342.09 | 108.81 | 74.09 | 63.39 |
| 20168 | 91.95 | 343.75 | 132.92 | 52.24 | 72.77 |
| 12423 | 91.91 | 94.66 | 17.41 | 168.85 | 72.45 |
| 2367 | 91.83 | 258.09 | 34.72 | 398.15 | 98.83 |
| 23045 | 91.8 | 221.05 | 18.12 | 163.93 | 54.31 |
| 355 | 91.79 | 176.62 | 21.06 | 64.55 | 37.78 |
| 15980 | 91.77 | 25.65 | 10.24 | 63.69 | 23.22 |
| 18301 | 91.75 | 301.7 | 71.49 | 147.3 | 94.31 |
| 19942 | 91.69 | 194.61 | 8.46 | 144.77 | 54.12 |
| 1174 | 91.64 | 3663.8 | 251.71 | 2386.49 | 1397.25 |

| TABLE 5DD: DICLOFENAC | | Attorney Docket 44921-5033-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22567 | 91.61 | 111.14 | 13.97 | 178.29 | 48.4 |
| 21653 | 91.56 | 349.67 | 23.57 | 264.44 | 91.66 |
| 18675 | 91.51 | 1228.45 | 105.34 | 797.85 | 503 |
| 1350 | 91.43 | 65.04 | 4.6 | 101.63 | 31.77 |
| 22910 | 91.32 | 188.79 | 23.68 | 284.05 | 62.76 |
| 16809 | 91.31 | 110.62 | 32.46 | 29.5 | 25.35 |
| 15186 | 91.24 | 86.67 | 8.28 | 127.78 | 36.34 |

| TABLE 5E: DICLOFENAC | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 13222 | 98.57 | 412.94 | 33.98 | 244.33 | 49.84 |
| 6057 | 98.54 | 403.63 | 125.03 | 111.33 | 139.16 |
| 14425 | 98.27 | 2123.57 | 645.32 | 449.15 | 427.92 |
| 1221 | 98.04 | 527.52 | 137.11 | 31.03 | 118.66 |
| 21568 | 97.88 | 269.87 | 99.63 | 66.65 | 49.99 |
| 548 | 97.8 | 57.46 | 14.06 | 400.27 | 222.71 |
| 2557 | 97.66 | 92.91 | 19.66 | 35.46 | 16.47 |
| 6891 | 97.66 | 264.26 | 28.13 | 544.98 | 219.71 |
| 5384 | 97.27 | 148.99 | 35.13 | 27 | 61.22 |
| 23608 | 97.19 | 1208.38 | 291.55 | 396.25 | 181.28 |
| 14561 | 97.13 | 301.51 | 38.61 | 180.81 | 57.5 |
| 16821 | 97.08 | 1060.67 | 209.13 | 535.3 | 143.56 |
| 19012 | 96.82 | 896.84 | 128.33 | 438.96 | 163.43 |
| 6479 | 96.76 | 2129.89 | 252.93 | 1039.05 | 389.39 |
| 10270 | 96.71 | 20.84 | 19.68 | 140.18 | 62.9 |
| 12792 | 96.71 | 107.68 | 14.92 | 42.38 | 35.81 |
| 8477 | 96.66 | 625.57 | 128.85 | 300.92 | 116.79 |
| 2961 | 96.55 | 94.68 | 17.39 | 41.06 | 20.17 |
| 3773 | 96.52 | 237.12 | 61.33 | 67.32 | 60.27 |
| 17664 | 96.5 | 715.67 | 141.01 | 279.32 | 160.36 |
| 17950 | 96.36 | 195.3 | 21.06 | 106.91 | 40.34 |
| 1639 | 96.28 | 101.27 | 17.82 | 197.14 | 45.79 |
| 16327 | 96.28 | 236.77 | 64.26 | 544.9 | 157.57 |
| 7913 | 96.13 | 312.36 | 54.3 | 165.09 | 71.72 |
| 15103 | 96.05 | 134.3 | 3.56 | 179.38 | 33.07 |
| 12088 | 95.83 | 241.33 | 35.14 | 119.28 | 53.51 |
| 20161 | 95.78 | 100.16 | 34.79 | 28.88 | 55.44 |
| 25317 | 95.73 | 2601.23 | 361 | 1379.88 | 464.15 |
| 8368 | 95.62 | 43.09 | 29.16 | 192.84 | 79.45 |
| 17564 | 95.49 | 314.92 | 17.82 | 493.73 | 137.7 |
| 23349 | 95.3 | 82.47 | 6.75 | 132.74 | 33.79 |
| 21679 | 95.28 | 24.4 | 6.35 | 61.71 | 24.1 |
| 6918 | 95.22 | 518.65 | 16.4 | 416.5 | 384.38 |
| 22733 | 95.22 | 63.55 | 12.91 | 26.38 | 20.47 |
| 24219 | 95.2 | 742.54 | 85.54 | 379.34 | 187.82 |
| 5451 | 95.09 | 378.74 | 18.2 | 270.07 | 89.54 |
| 23369 | 94.9 | 83.29 | 25.57 | 227.13 | 80.12 |
| 21368 | 94.8 | 81.82 | 12.05 | 174.81 | 54.32 |
| 4383 | 94.75 | 156.27 | 23.64 | 83.9 | 33.37 |
| 21062 | 94.72 | 76.05 | 16.15 | 24.89 | 77.95 |
| 26335 | 94.64 | 2858.06 | 627.98 | 1130.13 | 748.06 |
| 16561 | 94.64 | 393.63 | 76.06 | 227.68 | 69.2 |
| 959 | 94.56 | 44.1 | 4.28 | 21.21 | 14.97 |
| 10918 | 94.48 | 276.78 | 35.51 | 161.42 | 60.59 |
| 6598 | 94.45 | 379.04 | 52.96 | 182.85 | 84.47 |
| 8237 | 94.45 | 170.84 | 35.21 | 90.4 | 35.69 |
| 10958 | 94.35 | 76.5 | 10.79 | 41.87 | 16.04 |
| 2193 | 94.35 | 89.18 | 16.09 | 42.41 | 29.51 |
| 1877 | 94.35 | 374.31 | 61.37 | 697.52 | 185.52 |
| 8725 | 94.35 | 68.91 | 10.95 | 23.29 | 25.02 |
| 5719 | 94.32 | 21.26 | 22.19 | 86.48 | 33.42 |

| TABLE 5EE: DICLOFENAC | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15755 | 94.24 | 446.61 | 57.29 | 741.64 | 180.47 |
| 12422 | 94.24 | 42.86 | 4.56 | 68.97 | 21.6 |
| 3725 | 94.19 | 142.26 | 41.16 | 44.4 | 53.55 |
| 10248 | 94.19 | 52.62 | 9.25 | 25.86 | 25.23 |
| 228 | 94.16 | 384.45 | 12.49 | 485.4 | 121.74 |
| 22251 | 94.08 | 153.02 | 21.22 | 95.25 | 38.99 |
| 6252 | 94.03 | 175.57 | 30.66 | 369.52 | 149.64 |
| 23300 | 94 | 124.15 | 13.1 | 254.63 | 97.85 |
| 16135 | 94 | 5451.45 | 291.82 | 3555.2 | 2539.97 |
| 18004 | 93.98 | 100.14 | 19.83 | 47.04 | 31.05 |
| 23368 | 93.92 | 24 | 7.28 | 76.35 | 35.27 |
| 8917 | 93.9 | 121.68 | 25.68 | 42.47 | 42.63 |
| 23005 | 93.9 | 191.35 | 31.62 | 124.41 | 86.42 |
| 12010 | 93.9 | 59.33 | 4.75 | 106.17 | 37.5 |
| 14404 | 93.82 | 825.25 | 223.47 | 315.66 | 277.71 |
| 18302 | 93.76 | 404.35 | 116.32 | 146 | 137.28 |
| 22619 | 93.76 | 506.47 | 62.44 | 299.87 | 115.44 |
| 14459 | 93.76 | 7567.09 | 496.35 | 4348.63 | 2005.16 |
| 1404 | 93.71 | 23.16 | 6.66 | 64.75 | 30.9 |
| 11251 | 93.55 | 176.33 | 26.91 | 84.83 | 66.71 |
| 1876 | 93.52 | 415.08 | 82.79 | 775.09 | 202.2 |
| 18402 | 93.47 | 34.87 | 8.04 | 69.71 | 21.06 |
| 17787 | 93.47 | 2375.51 | 97.48 | 1559.9 | 1004.11 |
| 15188 | 93.44 | 136.62 | 9.03 | 188.86 | 35.57 |
| 23512 | 93.42 | 485.53 | 59.23 | 810.99 | 237.25 |
| 22230 | 93.39 | 198.57 | 14.63 | 144.75 | 34.07 |
| 960 | 93.39 | 130.81 | 14.13 | 215.85 | 65.85 |
| 5886 | 93.37 | 854.6 | 81.19 | 562.59 | 170.54 |
| 18172 | 93.37 | 91.28 | 14.8 | 43.94 | 39.92 |
| 18723 | 93.31 | 364.82 | 40.26 | 556.56 | 126.38 |
| 1904 | 93.31 | 513.91 | 65.51 | 976.01 | 545.92 |
| 1804 | 93.26 | 4964.54 | 605.41 | 2595.22 | 1260.97 |
| 2163 | 93.23 | 191.66 | 34.02 | 104.84 | 65.44 |
| 18564 | 93.15 | 220.08 | 37.71 | 382.3 | 96.96 |
| 2897 | 93.13 | 82.39 | 18.82 | 44.53 | 25.25 |
| 7362 | 93.13 | 499.71 | 119.92 | 939.41 | 279.43 |
| 17379 | 93.13 | 229.33 | 24.92 | 117.99 | 71.05 |
| 23348 | 93.13 | 47 | 3.97 | 75.54 | 22.33 |
| 7583 | 93.1 | 278.42 | 90.42 | 50.57 | 124.21 |
| 6720 | 93.1 | 183.72 | 57.33 | 31 | 97.86 |
| 21827 | 93.1 | 111.01 | 11.85 | 164.08 | 37.68 |
| 18205 | 93.05 | 471.05 | 43.67 | 340.16 | 72.47 |
| 12301 | 93.02 | 236.82 | 42.03 | 137.61 | 66.66 |
| 19427 | 93.02 | 5521.57 | 389.76 | 3976.69 | 2476 |
| 21466 | 92.99 | 7958.56 | 343.83 | 6529.42 | 2984.48 |
| 13092 | 92.97 | 42.78 | 38.01 | 221.01 | 123.49 |
| 5396 | 92.94 | 142.73 | 45.03 | 64.88 | 74.66 |
| 14591 | 92.94 | 32.03 | 7.91 | 70.16 | 24.41 |
| 7003 | 92.86 | 183.39 | 55.08 | 397.26 | 128.32 |
| 16130 | 92.83 | 5184.54 | 390.69 | 3525.46 | 2339.12 |
| 15675 | 92.81 | 284.38 | 35.01 | 449.15 | 187.1 |

| TABLE 52E: DICLOFENAC | | Attorney Docket 44921-5033-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25563 | 92.73 | 883.55 | 158.59 | 1406.91 | 309.32 |
| 15017 | 92.6 | 5560.91 | 358.68 | 3971.97 | 2710.22 |
| 15426 | 92.3 | 170.4 | 21.13 | 266.54 | 62.97 |
| 23569 | 92.3 | 172.2 | 24.29 | 261.17 | 59.74 |
| 15936 | 92.25 | 48.19 | 11.55 | 24.69 | 17.52 |
| 16123 | 92.2 | 161.58 | 42.01 | 82.27 | 68.22 |
| 16401 | 92.17 | 8708.17 | 642.14 | 5353.63 | 5001.54 |
| 10530 | 92.14 | 56.5 | 9.41 | 101.21 | 34.36 |
| 16150 | 92.09 | 933.17 | 99.46 | 668.68 | 277.14 |
| 6478 | 92.09 | 6079 | 548.16 | 3223.82 | 1796.75 |
| 8641 | 92.04 | 435.2 | 70.94 | 221.17 | 143.8 |
| 21013 | 92.04 | 2865.74 | 139.93 | 2614.05 | 1219.9 |
| 17109 | 92.01 | 7214.62 | 625.72 | 4950.32 | 4394.45 |
| 21917 | 91.97 | 342.09 | 108.81 | 74.09 | 63.39 |
| 20168 | 91.95 | 343.75 | 132.92 | 52.24 | 72.77 |
| 12423 | 91.91 | 94.66 | 17.41 | 168.85 | 72.45 |
| 2367 | 91.83 | 258.09 | 34.72 | 398.15 | 98.83 |
| 23045 | 91.8 | 221.05 | 18.12 | 163.93 | 54.31 |
| 15980 | 91.77 | 25.65 | 10.24 | 63.69 | 23.22 |
| 18301 | 91.75 | 301.7 | 71.49 | 147.3 | 94.31 |
| 19942 | 91.69 | 194.61 | 8.46 | 144.77 | 54.12 |
| 22567 | 91.61 | 111.14 | 13.97 | 178.29 | 48.4 |
| 21653 | 91.56 | 349.67 | 23.57 | 264.44 | 91.66 |
| 18675 | 91.51 | 1228.45 | 105.34 | 797.85 | 503 |
| 1350 | 91.43 | 65.04 | 4.6 | 101.63 | 31.77 |
| 22910 | 91.32 | 188.79 | 23.68 | 284.05 | 62.76 |
| 16809 | 91.31 | 110.62 | 32.46 | 29.5 | 25.35 |
| 15186 | 91.24 | 86.67 | 8.28 | 127.78 | 36.34 |
| 9423 | 91.23 | 1899.72 | 494.08 | 810.91 | 290.76 |
| 20713 | 91.16 | 940.06 | 150.25 | 717.94 | 521.48 |
| 24718 | 91.14 | 577.26 | 44.11 | 750.4 | 172.87 |
| 15630 | 91.11 | 21.95 | 3.32 | 37.86 | 12.78 |
| 3016 | 91.06 | 3883.9 | 162.24 | 2791.81 | 1521.04 |
| 21407 | 90.99 | 147.55 | 60.36 | 50.81 | 27.56 |
| 15242 | 90.98 | 29.43 | 3.66 | 46.26 | 13.3 |
| 6109 | 90.98 | 5084.76 | 427.43 | 3583.04 | 2268.92 |
| 14498 | 90.98 | 190.73 | 21.56 | 293.51 | 74.29 |
| 18770 | 90.95 | 337.23 | 27.45 | 466.95 | 106.33 |
| 11938 | 90.9 | 834.77 | 83.98 | 1108.07 | 201.05 |
| 13547 | 90.84 | 44.69 | 4.41 | 72.34 | 27.8 |
| 20744 | 90.83 | 1481.65 | 317.99 | 343.77 | 294.93 |
| 12193 | 90.79 | 85.94 | 12.35 | 128.44 | 28.13 |
| 24766 | 90.79 | 21.28 | 2.26 | 39.74 | 21.98 |
| 16871 | 90.74 | 36.82 | 2.87 | 57.18 | 23.7 |
| 826 | 90.71 | 52.61 | 7.67 | 97.1 | 37.58 |
| 4012 | 90.68 | 2248.17 | 171 | 2438.05 | 1162.53 |
| 9929 | 90.63 | 448.54 | 48.38 | 673.08 | 182.35 |
| 243 | 90.63 | 41.59 | 3.77 | 61.29 | 24.31 |
| 16217 | 90.63 | 599.86 | 45.03 | 450.16 | 151.55 |
| 17306 | 90.53 | 3646.9 | 140.28 | 2594.74 | 1274.48 |
| 4185 | 90.5 | 5947.25 | 549.24 | 4088.41 | 2983.78 |

| TABLE 5E: DICLOFENAC | | Attorney Docket 44021-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1995828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20938 | 90.47 | 487.93 | 29.41 | 612.77 | 105.12 |
| 4010 | 90.34 | 3193.3 | 338.4 | 3087.63 | 2061.18 |
| 4213 | 90.29 | 7489.35 | 711.25 | 4454.29 | 3874.87 |
| 17740 | 90.26 | 2853.93 | 198.88 | 2195.43 | 958.57 |

| TABLE 5FF: DIFLUNISAL | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14595 | 99.81 | 326.64 | 5.25 | 67.73 | 82.28 |
| 354 | 99.79 | 92.36 | 0.22 | 82.21 | 152.61 |
| 1857 | 99.68 | 135.38 | 34.61 | 22.97 | 156.76 |
| 20715 | 99.63 | 2716.49 | 163.16 | 380.46 | 421.28 |
| 18687 | 99.58 | 3600.76 | 172.19 | 657.37 | 578.39 |
| 20713 | 99.55 | 3608.94 | 312.55 | 714.29 | 508.05 |
| 4207 | 99.5 | 185.94 | 8.55 | 527.67 | 274.65 |
| 23274 | 99.47 | 402.83 | 6.49 | 611.73 | 121.31 |
| 22416 | 99.47 | 437.5 | 23.89 | 146.45 | 101.89 |
| 7393 | 99.42 | 74.98 | 0.29 | 45.23 | 35.58 |
| 2457 | 99.39 | 962.87 | 38.12 | 251.21 | 150.93 |
| 8527 | 99.29 | 296.29 | 2.22 | 160.76 | 177.64 |
| 26109 | 99.23 | 1616.96 | 208.74 | 145 | 258.03 |
| 16807 | 99.1 | 6098.25 | 623.59 | 2326.3 | 989.13 |
| 14267 | 99.1 | 2612.63 | 146.68 | 1188.41 | 382.61 |
| 23699 | 99.1 | 1669.23 | 186.12 | 641.84 | 305.74 |
| 6919 | 99.05 | 313.36 | 1.17 | 345 | 296.14 |
| 15580 | 99.02 | 4010.96 | 141.66 | 2244.71 | 628.1 |
| 3943 | 98.99 | 40.62 | 0.2 | 39.44 | 20.59 |
| 16901 | 98.99 | 215.2 | 3.21 | 339.04 | 84.81 |
| 18138 | 98.97 | 7745.05 | 249.87 | 4546.56 | 1453.1 |
| 23183 | 98.94 | 515.77 | 26.78 | 215.61 | 90.85 |
| 8856 | 98.94 | 96.1 | 3.45 | 47.93 | 15.64 |
| 20714 | 98.91 | 3334.71 | 868.91 | 564.34 | 693.87 |
| 5602 | 98.91 | 1266.07 | 120.13 | 206.09 | 208.63 |
| 18686 | 98.81 | 4181.68 | 704.04 | 702.56 | 597.85 |
| 18742 | 98.81 | 1158.53 | 154.91 | 344.23 | 186.12 |
| 4271 | 98.78 | 512.28 | 68.14 | 59.26 | 134.04 |
| 240 | 98.76 | 82.31 | 0.59 | 114.6 | 41.82 |
| 16148 | 98.76 | 3131.87 | 592.64 | 1033.38 | 371.51 |
| 22851 | 98.76 | 69.88 | 1.07 | 112.97 | 55.9 |
| 20925 | 98.76 | 2528.69 | 381.39 | 416.44 | 433.34 |
| 4272 | 98.7 | 326.83 | 48.56 | 33.64 | 74.6 |
| 15577 | 98.68 | 3113.86 | 39.97 | 1900.42 | 671.98 |
| 23130 | 98.68 | 366.67 | 2.8 | 524.09 | 146.28 |
| 1858 | 98.65 | 243.5 | 90.09 | 24.58 | 181.75 |
| 15085 | 98.62 | 3316.99 | 396.59 | 1428.45 | 429.04 |
| 15408 | 98.62 | 625.53 | 11.49 | 292.03 | 164.72 |
| 4196 | 98.6 | 247.43 | 44.95 | 86.13 | 93.63 |
| 1960 | 98.6 | 98.18 | 0.45 | 77.83 | 30.22 |
| 18293 | 98.6 | 3200.02 | 349.15 | 1368.4 | 440.5 |
| 4011 | 98.57 | 4856.75 | 731.97 | 1813.13 | 670.11 |
| 18125 | 98.54 | 879.85 | 16.6 | 576.01 | 159.83 |
| 3431 | 98.49 | 1471.97 | 17.51 | 1044 | 313.19 |
| 5213 | 98.46 | 626.54 | 2.92 | 541.16 | 185.69 |
| 17339 | 98.44 | 201.93 | 7.24 | 855.88 | 471.89 |
| 6409 | 98.39 | 192.76 | 5.07 | 108.77 | 47.06 |
| 16275 | 98.39 | 5342.33 | 45.26 | 3432.65 | 2260.08 |
| 21975 | 98.33 | 182.16 | 2.46 | 268.53 | 82.01 |
| 21872 | 98.28 | 105.6 | 9.42 | 186.83 | 41.67 |
| 10887 | 98.28 | 65.35 | 1.5 | 106.07 | 32.92 |

| TABLE 5FF: DIFLUNISAL | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22604 | 98.28 | 3212.42 | 609.6 | 1027.7 | 464.38 |
| 21341 | 98.28 | 1507.43 | 72.03 | 855.62 | 302.78 |
| 21354 | 98.28 | 2463.17 | 381.13 | 422.38 | 398.02 |
| 15582 | 98.23 | 13240.99 | 1092.99 | 5708.51 | 2856.56 |
| 18072 | 98.23 | 57.09 | 0.78 | 33.1 | 24.95 |
| 16703 | 98.23 | 2323.05 | 177.21 | 1167.43 | 382.89 |
| 19099 | 98.2 | 122.48 | 1.45 | 83.93 | 33.96 |
| 17758 | 98.15 | 2134.3 | 578.84 | 360.49 | 368.41 |
| 2210 | 98.15 | 3413.1 | 319.9 | 1990.77 | 430.41 |
| 20711 | 98.15 | 1058.07 | 208.05 | 134.19 | 202.08 |
| 24665 | 98.12 | 50.77 | 8.77 | 187.24 | 109.51 |
| 17847 | 98.12 | 1109.04 | 68.03 | 704.75 | 149.14 |
| 6380 | 98.12 | 3422.14 | 327.69 | 1761.85 | 562.03 |
| 23698 | 98.12 | 1633.49 | 392.24 | 356.69 | 404.55 |
| 15579 | 98.09 | 3551.99 | 355.67 | 1675.76 | 670.38 |
| 15848 | 98.07 | 2280.83 | 100.39 | 1329.5 | 349.44 |
| 21355 | 98.07 | 1996.5 | 627.15 | 298.92 | 276.7 |
| 22958 | 98.07 | 79.51 | 0.45 | 83.02 | 58.87 |
| 14070 | 98.04 | 180.41 | 0.94 | 171.45 | 49.28 |
| 28 | 98.04 | 502.98 | 13.94 | 804.95 | 268.31 |
| 11633 | 98.01 | 322.01 | 33.88 | 77.91 | 76.39 |
| 21750 | 98.01 | 400.65 | 54.98 | 155.78 | 70.9 |
| 1728 | 97.99 | 484.45 | 19.95 | 249.91 | 114.02 |
| 2799 | 97.96 | 287.89 | 7.32 | 492.41 | 225.66 |
| 14763 | 97.96 | 1776.92 | 110 | 567 | 402.88 |
| 26032 | 97.94 | 103.14 | 30.76 | 1130.68 | 604.66 |
| 16190 | 97.91 | 1387.18 | 179.63 | 757.23 | 213.67 |
| 8931 | 97.88 | 68.35 | 1.01 | 48.48 | 28.85 |
| 16039 | 97.88 | 142.52 | 3.84 | 233.51 | 67.42 |
| 16215 | 97.8 | 408.88 | 21.59 | 778.84 | 177.05 |
| 15383 | 97.78 | 201.11 | 2.12 | 136.83 | 51.87 |
| 6623 | 97.78 | 116.56 | 0.77 | 115.47 | 42.41 |
| 9772 | 97.78 | 60.78 | 0.54 | 73.76 | 39.92 |
| 4133 | 97.72 | 295.72 | 3.82 | 374.97 | 112.6 |
| 25500 | 97.72 | 78.04 | 3.85 | 155.25 | 51.57 |
| 10754 | 97.7 | 130.1 | 9.34 | 40.7 | 57.5 |
| 21010 | 97.7 | 1495.14 | 115.56 | 675.45 | 295.81 |
| 4012 | 97.67 | 6489.94 | 1063.65 | 2430.81 | 1149.27 |
| 15992 | 97.62 | 607.51 | 16.87 | 406.64 | 211.47 |
| 18671 | 97.62 | 90.07 | 3.42 | 39.25 | 40.3 |
| 19393 | 97.59 | 379.37 | 60.17 | 798.76 | 189.68 |
| 2811 | 97.59 | 333.35 | 12.18 | 191.71 | 79.66 |
| 23282 | 97.56 | 298.84 | 10.22 | 442.19 | 89.33 |
| 17728 | 97.56 | 4193.46 | 58.07 | 2479.83 | 1319.44 |
| 8917 | 97.54 | 174.7 | 22.84 | 42.6 | 42.58 |
| 21730 | 97.51 | 538.03 | 232 | 218.83 | 73.46 |
| 16701 | 97.51 | 4423 | 676.48 | 2271.55 | 713.2 |
| 16521 | 97.51 | 469.77 | 38.23 | 266.26 | 66.2 |
| 16150 | 97.43 | 1573.6 | 395.32 | 668.36 | 274.72 |
| 18958 | 97.41 | 588.84 | 57.54 | 325.11 | 126.47 |
| 15872 | 97.41 | 223.12 | 21.4 | 499.2 | 170.08 |

| TABLE 5FF: DIFLUNISAL | | | | | |
|-----------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15154 | 97.41 | 288.7 | 30.16 | 623.63 | 173.66 |
| 25777 | 97.27 | 448.38 | 9.97 | 685.54 | 244.67 |
| 20984 | 97.17 | 1726.78 | 66.63 | 1181.05 | 301.13 |
| 19335 | 97.14 | 164.87 | 9.31 | 296.14 | 83.97 |
| 15124 | 97.11 | 2460.11 | 149.67 | 1349.34 | 445.46 |
| 19391 | 97.09 | 87.1 | 24.42 | 320.53 | 127.27 |
| 21575 | 97.06 | 300.48 | 34.01 | 536.03 | 129.67 |
| 1559 | 97.01 | 21.25 | 3.51 | 69.74 | 31.21 |
| 3844 | 96.96 | 133.02 | 12.21 | 66.81 | 28.77 |
| 1793 | 96.88 | 1868.73 | 112.45 | 1158.95 | 617.6 |
| 1973 | 96.88 | 201.75 | 15.64 | 391.66 | 106.99 |
| 20802 | 96.88 | 39.21 | 5.73 | 131.21 | 61.04 |
| 25479 | 96.85 | 786.55 | 36.69 | 1190.74 | 285.23 |
| 22602 | 96.77 | 373.46 | 67.73 | 121.61 | 87.18 |
| 17554 | 96.66 | 3215.53 | 437.67 | 1570.92 | 604.8 |
| 23486 | 96.61 | 218.26 | 7.08 | 342.64 | 91.48 |
| 22603 | 96.56 | 598.4 | 90.03 | 260.86 | 110.37 |
| 24537 | 96.53 | 450.32 | 71.52 | 844.92 | 185.31 |
| 25064 | 96.51 | 2088.31 | 172.33 | 1186.67 | 355.89 |
| 25319 | 96.48 | 8538.83 | 318.41 | 4208.95 | 2875.34 |
| 20600 | 96.45 | 315.58 | 17.04 | 596.96 | 333.69 |
| 11611 | 96.43 | 87.75 | 5.09 | 151.82 | 45.55 |
| 15125 | 96.43 | 3495.72 | 502.98 | 1646.16 | 619.49 |
| 20983 | 96.4 | 1624.54 | 141.09 | 996.65 | 291.76 |
| 17764 | 96.4 | 2068.19 | 97.18 | 1186.61 | 460.31 |
| 16416 | 96.37 | 62.11 | 3.12 | 108.85 | 61.23 |
| 382 | 96.32 | 188.08 | 10.02 | 297.38 | 89.15 |
| 17807 | 96.29 | 3536.06 | 189.77 | 2045.22 | 727.16 |
| 19018 | 96.27 | 181.03 | 18.11 | 356.77 | 119.14 |
| 16546 | 96.21 | 343.62 | 20.2 | 191.66 | 87.35 |
| 1399 | 96.21 | 28.91 | 4.9 | 97.81 | 92.64 |
| 397 | 96.11 | 121.65 | 7.78 | 68.03 | 38.91 |
| 16767 | 96.06 | 1098.65 | 97.03 | 604.95 | 197.6 |
| 18578 | 96.06 | 46.9 | 5.67 | 167.88 | 106.31 |
| 20931 | 96 | 88.28 | 22.69 | 435.07 | 216.75 |
| 25501 | 95.98 | 56.97 | 9.75 | 201.73 | 116.28 |
| 355 | 95.98 | 22.14 | 2.43 | 65.09 | 38.41 |
| 18315 | 95.95 | 116.68 | 16.48 | 46.58 | 38.2 |
| 16450 | 95.95 | 103.94 | 10.67 | 248.94 | 92.08 |
| 20555 | 95.95 | 886.45 | 217.49 | 339.47 | 186.15 |
| 21152 | 95.95 | 6830.97 | 185.14 | 3588.66 | 2474.3 |
| 10949 | 95.92 | 2718.83 | 53.76 | 1870.04 | 689.67 |
| 10623 | 95.87 | 1794.44 | 59.41 | 1102.66 | 503.38 |
| 15409 | 95.84 | 1460.42 | 212.62 | 598.63 | 283.8 |
| 25814 | 95.82 | 32.25 | 9.83 | 138.38 | 72.95 |
| 25070 | 95.82 | 865.15 | 113.07 | 499.67 | 128.91 |
| 12157 | 95.79 | 1472.37 | 349.51 | 574.18 | 982.99 |
| 15187 | 95.79 | 65.46 | 2.44 | 108.49 | 43.46 |
| 24535 | 95.74 | 226.85 | 48.81 | 609.2 | 205.56 |
| 9905 | 95.69 | 768.97 | 9.38 | 646.91 | 151.6 |
| 4395 | 95.61 | 50.4 | 1.73 | 78.19 | 27.49 |

Attorney Docket 44921-5038-01-WO
Document No. 1935828.1

| TABLE 5CG: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 168 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12306 | 100 | 45.12 | 5.24 | 1148.2 | 528.98 |
| 9842 | 100 | 3960.74 | 209.58 | 1599.04 | 404.38 |
| 9841 | 100 | 4423.18 | 113.14 | 2165.26 | 556.94 |
| 13185 | 100 | 1438.75 | 190.12 | 23.15 | 23.64 |
| 23192 | 99.97 | 71.87 | 1.07 | 218.32 | 86.14 |
| 2922 | 99.95 | 133.34 | 7.91 | 30.37 | 23.97 |
| 3664 | 99.92 | 449.76 | 19.11 | 172.72 | 46.34 |
| 24644 | 99.92 | 1956.55 | 143.91 | 36.49 | 45.04 |
| 191 | 99.89 | 2495.34 | 514.49 | 47.1 | 44.07 |
| 21489 | 99.87 | 1024.29 | 199.36 | 125.2 | 76.13 |
| 20703 | 99.87 | 5465.11 | 178.05 | 442.01 | 439.48 |
| 15599 | 99.81 | 986.65 | 7.59 | 641.43 | 141.74 |
| 9889 | 99.81 | 5330.11 | 633.19 | 1741.03 | 557.78 |
| 13187 | 99.81 | 1805.73 | 344.92 | 27.64 | 17.13 |
| 23584 | 99.79 | 756.37 | 55.02 | 223.07 | 86.73 |
| 16366 | 99.79 | 2467.38 | 160.59 | 794.89 | 297.86 |
| 6143 | 99.79 | 7928.44 | 967.04 | 809.18 | 349.44 |
| 3693 | 99.76 | 926.62 | 138.57 | 237.46 | 92.88 |
| 1559 | 99.76 | 237.36 | 11.82 | 69.4 | 30.55 |
| 4007 | 99.74 | 273.45 | 7.72 | 78.22 | 46.21 |
| 14231 | 99.71 | 921.63 | 158.69 | 44.05 | 44.48 |
| 16367 | 99.71 | 5011.13 | 664.34 | 1411.72 | 525.41 |
| 4561 | 99.71 | 1118.46 | 87.77 | 359.45 | 95.11 |
| 21488 | 99.68 | 361.71 | 135.96 | 31.18 | 15.17 |
| 10710 | 99.66 | 643.41 | 118.84 | 176.07 | 56.21 |
| 588 | 99.63 | 1923.38 | 127.1 | 936.57 | 268.62 |
| 23799 | 99.63 | 37.94 | 2.95 | 152.42 | 59.53 |
| 24649 | 99.63 | 327.63 | 40.01 | 119.68 | 29.37 |
| 23851 | 99.63 | 901.49 | 54.97 | 407.29 | 128.23 |
| 9723 | 99.63 | 1672.55 | 10.19 | 1080.04 | 264.05 |
| 19443 | 99.58 | 3166.51 | 254.64 | 1363.96 | 431.16 |
| 15107 | 99.58 | 11779.22 | 470.15 | 3926.89 | 2629.4 |
| 70 | 99.55 | 113.27 | 9.16 | 473.15 | 142.96 |
| 6016 | 99.55 | 9537.97 | 2789.98 | 2086.82 | 704.11 |
| 21657 | 99.55 | 210.48 | 24.41 | 753.12 | 293.81 |
| 15252 | 99.55 | 844.88 | 58.71 | 341.17 | 110.84 |
| 19129 | 99.52 | 921.92 | 68.46 | 487.06 | 81.44 |
| 3062 | 99.52 | 10420.59 | 2703.35 | 3289.84 | 863.73 |
| 8182 | 99.52 | 680.21 | 21.69 | 1455.78 | 335.19 |
| 1869 | 99.52 | 2949.73 | 247.42 | 1263.58 | 344.78 |
| 21288 | 99.52 | 1240.96 | 310.61 | 410.07 | 139.6 |
| 22727 | 99.47 | 8315.63 | 941.27 | 3516.33 | 948.93 |
| 18027 | 99.44 | 576.29 | 207.71 | 48.26 | 23.9 |
| 19322 | 99.44 | 964.39 | 62.5 | 532.85 | 115.91 |
| 15188 | 99.42 | 309.06 | 12.05 | 188.45 | 35.36 |
| 20429 | 99.42 | 101.38 | 11.86 | 625.22 | 260.42 |
| 489 | 99.42 | 3511.28 | 549.72 | 30.75 | 321.21 |
| 4511 | 99.39 | 460.24 | 40.55 | 213.17 | 63.84 |
| 6594 | 99.39 | 734.46 | 22.12 | 465.75 | 89.75 |
| 25284 | 99.39 | 434.9 | 78.63 | 35.6 | 33.03 |
| 17662 | 99.36 | 654.65 | 18.95 | 402.03 | 75.54 |

| TABLE 5C: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 168 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 179 | 99.34 | 42.35 | 8.43 | 144.72 | 47.92 |
| 13563 | 99.34 | 4122.68 | 998.88 | 1179.22 | 336.82 |
| 293 | 99.34 | 36.87 | 7.22 | 235.86 | 84.78 |
| 16305 | 99.31 | 3595.94 | 914.71 | 1141.15 | 344.76 |
| 6121 | 99.29 | 113.62 | 15.3 | 34.42 | 15.97 |
| 3365 | 99.29 | 192.12 | 21.52 | 804.44 | 238.33 |
| 8661 | 99.26 | 224.85 | 71.03 | 26.6 | 156.55 |
| 699 | 99.26 | 1172.51 | 25.16 | 610.85 | 157.06 |
| 23520 | 99.23 | 250.96 | 5.31 | 146.34 | 52.63 |
| 4245 | 99.23 | 1992.81 | 270.32 | 736.36 | 169.63 |
| 17359 | 99.23 | 11372.36 | 2758.4 | 3718.75 | 1008.01 |
| 16307 | 99.23 | 213.34 | 0.8 | 164.49 | 43.22 |
| 20430 | 99.21 | 90.52 | 19.8 | 825.34 | 378.93 |
| 24341 | 99.18 | 74.78 | 5.07 | 34.5 | 47.99 |
| 15098 | 99.18 | 42.84 | 1.4 | 118.8 | 41.13 |
| 6628 | 99.15 | 634.88 | 78.78 | 287.9 | 73.75 |
| 16780 | 99.15 | 1362.14 | 513.45 | 308.23 | 102.83 |
| 23320 | 99.15 | 532.99 | 37.28 | 240.86 | 77.45 |
| 25725 | 99.13 | 724.78 | 271.51 | 141.84 | 58.66 |
| 14149 | 99.13 | 40.54 | 1.35 | 89.86 | 33.11 |
| 21468 | 99.13 | 57.17 | 0.83 | 27.9 | 88.27 |
| 20669 | 99.1 | 254 | 16.47 | 127.12 | 38.82 |
| 12314 | 99.1 | 5617.22 | 749.84 | 2159.45 | 664.43 |
| 488 | 99.07 | 8688.94 | 2485.17 | 134.23 | 652.38 |
| 16905 | 99.05 | 166.94 | 11.9 | 69.25 | 38.54 |
| 16781 | 99.05 | 1700.4 | 746.5 | 326.9 | 111.74 |
| 3488 | 99.05 | 133.89 | 7.23 | 60.03 | 29.31 |
| 4918 | 99.05 | 477.88 | 19.29 | 206.95 | 102.5 |
| 22713 | 99.02 | 72.88 | 3.44 | 230.08 | 90.15 |
| 18525 | 99.02 | 495.81 | 69.06 | 202.68 | 79.49 |
| 20705 | 98.99 | 11263.92 | 2621.54 | 1011.22 | 852.84 |
| 8594 | 98.97 | 1013.91 | 50.86 | 544.16 | 134.75 |
| 1698 | 98.97 | 1686.86 | 259.61 | 208.61 | 204.62 |
| 16018 | 98.94 | 96.76 | 8.44 | 47.74 | 31.03 |
| 21740 | 98.94 | 393.75 | 21.16 | 739.32 | 301.35 |
| 2581 | 98.94 | 26.93 | 3.01 | 89.88 | 32.33 |
| 15126 | 98.94 | 4704.33 | 738.51 | 1270.37 | 521.78 |
| 21051 | 98.94 | 52.38 | 1.52 | 168.9 | 87.58 |
| 14495 | 98.91 | 1168.01 | 309.82 | 321.92 | 106.49 |
| 409 | 98.91 | 157.03 | 2.52 | 102.42 | 57.39 |
| 2354 | 98.91 | 2565.91 | 493.93 | 816.22 | 282.15 |
| 1169 | 98.91 | 442.56 | 178.26 | 62.52 | 30.34 |
| 18867 | 98.89 | 1974.42 | 508.83 | 824.06 | 218.05 |
| 3697 | 98.89 | 963.19 | 110.37 | 426.22 | 134.46 |
| 17324 | 98.86 | 116.94 | 11.64 | 378.69 | 117.57 |
| 16364 | 98.84 | 643.42 | 143.53 | 178.43 | 86.44 |
| 23628 | 98.84 | 615.8 | 45.67 | 326.81 | 85.75 |
| 8719 | 98.84 | 50.1 | 0.66 | 81.9 | 34.05 |
| 8215 | 98.84 | 1082.88 | 133.38 | 386.91 | 134.74 |
| 15124 | 98.81 | 4496.25 | 860.65 | 1346.1 | 428.82 |
| 18989 | 98.81 | 6527.42 | 1960 | 1469.82 | 658.61 |

| TABLE 5GG: DIOXIN | | Attorney Docket 44921-5098-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 168 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1632 | 98.81 | 28.26 | 0.77 | 62.07 | 21.48 |
| 1170 | 98.78 | 629.85 | 253.39 | 109.41 | 50.42 |
| 4225 | 98.65 | 647.9 | 96.4 | 334.19 | 78.53 |
| 25149 | 98.62 | 25.34 | 0.15 | 30.7 | 14.21 |
| 17427 | 98.57 | 2236.12 | 603.08 | 1119.24 | 246.13 |
| 10260 | 98.52 | 57.84 | 9.42 | 201.64 | 82.48 |
| 15125 | 98.49 | 6854.53 | 1899.84 | 1640.83 | 585.25 |
| 23336 | 98.49 | 109.9 | 14.66 | 24.39 | 24.38 |
| 2853 | 98.46 | 53.93 | 0.16 | 57.83 | 46.02 |
| 15106 | 98.46 | 4082.01 | 917.35 | 1828.09 | 450.72 |
| 18957 | 98.44 | 189.24 | 5.49 | 371.45 | 149.62 |
| 2119 | 98.44 | 72.25 | 4.52 | 38.98 | 11.82 |
| 20704 | 98.41 | 8209.04 | 3041.64 | 1293.54 | 797.58 |
| 5492 | 98.39 | 612.26 | 323.44 | 35.46 | 57.81 |
| 5493 | 98.36 | 652.01 | 260.38 | 53.44 | 59.03 |
| 19833 | 98.33 | 21.5 | 5.61 | 125.24 | 61.04 |
| 23888 | 98.31 | 353.54 | 129.57 | 117.75 | 50.34 |
| 19251 | 98.25 | 722.96 | 9.31 | 547.98 | 94 |
| 24470 | 98.23 | 5537.76 | 784.95 | 2590.38 | 863.94 |
| 25049 | 98.17 | 95.2 | 2.18 | 61.27 | 27.31 |
| 17304 | 98.12 | 41 | 3.1 | 91.18 | 34.42 |
| 1306 | 98.04 | 468.2 | 225.51 | 140.27 | 82.06 |
| 23699 | 98.04 | 984.29 | 37.51 | 642.93 | 308.23 |
| 15378 | 98.04 | 229.93 | 17.17 | 118.7 | 37.73 |
| 21681 | 98.01 | 117.26 | 28.93 | 45.59 | 23.75 |
| 17554 | 97.96 | 4315.2 | 990.01 | 1569.17 | 597.73 |
| 15024 | 97.96 | 1805.38 | 799.27 | 361.71 | 279.52 |
| 23445 | 97.96 | 25.96 | 6.11 | 235.91 | 130.79 |
| 15127 | 97.96 | 2364.01 | 462.12 | 690.77 | 320.16 |
| 1371 | 97.96 | 162.88 | 15.47 | 43.39 | 41.53 |
| 18361 | 97.94 | 973.05 | 116.13 | 423.93 | 180.39 |
| 13930 | 97.94 | 63.99 | 2.4 | 147.8 | 105.89 |
| 4574 | 97.88 | 267.31 | 57.44 | 618.96 | 137.41 |
| 24518 | 97.86 | 1350.66 | 241.97 | 777.2 | 156.03 |
| 25325 | 97.83 | 4307.57 | 254.96 | 1619.58 | 1175.18 |
| 1583 | 97.8 | 71.6 | 8.85 | 28.59 | 14.07 |
| 8317 | 97.78 | 103.5 | 66.14 | 636.22 | 221.78 |
| 17635 | 97.75 | 217.88 | 29.81 | 477.21 | 125.42 |
| 19711 | 97.72 | 100.52 | 8.2 | 209.49 | 71.77 |
| 25326 | 97.72 | 6502.2 | 448.25 | 3135.2 | 1432.07 |
| 2515 | 97.7 | 204 | 59.19 | 618.19 | 182.66 |
| 24474 | 97.7 | 3341.12 | 736.07 | 1477.08 | 411.71 |
| 10504 | 97.56 | 1662.71 | 199.63 | 951.66 | 260.35 |
| 762 | 97.54 | 2882.92 | 134.72 | 1602.64 | 597.91 |
| 20026 | 97.51 | 123.94 | 2.61 | 85.9 | 27.86 |
| 21012 | 97.49 | 3602.46 | 577.96 | 1514.87 | 563.06 |
| 7176 | 97.46 | 103.69 | 16.8 | 57 | 38.2 |
| 24469 | 97.46 | 913.61 | 69.1 | 621.78 | 199.73 |
| 1558 | 97.46 | 259.14 | 91.06 | 91.51 | 39.5 |
| 794 | 97.46 | 508.32 | 27.89 | 802.5 | 228.74 |
| 20707 | 97.46 | 146.04 | 31.5 | 606.93 | 299.27 |

| TABLE 5GC: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 168 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17765 | 97.43 | 409.77 | 27.82 | 885.74 | 344.25 |

| TABLE 5HH: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6143 | 99.87 | 4317.36 | 1089.06 | 805.61 | 384.02 |
| 21288 | 99.52 | 2021.89 | 619.26 | 404.55 | 90.82 |
| 22755 | 99.5 | 731.23 | 197.48 | 136.68 | 51.8 |
| 489 | 99.42 | 3583.7 | 632.69 | 21.21 | 260.5 |
| 488 | 99.28 | 6372.72 | 923.25 | 121.36 | 617.41 |
| 24649 | 99.2 | 275.96 | 48.41 | 119.35 | 28.68 |
| 4561 | 99.18 | 919.3 | 134.9 | 358.28 | 92.71 |
| 8661 | 99.12 | 189.45 | 68.11 | 26.22 | 156.56 |
| 20703 | 99.12 | 3973.4 | 780.19 | 435.01 | 422.61 |
| 25284 | 99.07 | 273.87 | 110.16 | 35.22 | 32.68 |
| 13619 | 98.96 | 469.96 | 209.78 | 78.53 | 65.6 |
| 23584 | 98.91 | 595.5 | 88.93 | 222.34 | 85.9 |
| 20705 | 98.89 | 7144.4 | 1385.33 | 1001.5 | 858.49 |
| 1169 | 98.59 | 232.93 | 61.89 | 62.4 | 32.39 |
| 20704 | 98.57 | 5479.96 | 992.05 | 1286.78 | 803.54 |
| 1170 | 98.38 | 382.34 | 115.71 | 109.08 | 51.79 |
| 1698 | 98.3 | 1111.72 | 271.58 | 207.13 | 204.43 |
| 15252 | 98.2 | 675.4 | 117.85 | 340.55 | 110.45 |
| 12314 | 98.12 | 4958.16 | 1147.22 | 2153.07 | 651.21 |
| 5492 | 98.12 | 407.17 | 264.21 | 34.8 | 56.08 |
| 5493 | 98.04 | 447.87 | 235.03 | 52.72 | 57.18 |
| 18989 | 97.82 | 4129.41 | 1153.62 | 1466.58 | 666.89 |
| 23851 | 97.74 | 702.74 | 40.16 | 406.82 | 128.46 |
| 9527 | 97.51 | 628.99 | 90.04 | 234.23 | 126.94 |
| 9528 | 97.11 | 562.67 | 162.18 | 200.32 | 89.53 |
| 16366 | 97.08 | 1871.31 | 567.19 | 792.98 | 295.5 |
| 3427 | 96.97 | 196.11 | 43.15 | 79.39 | 40.34 |
| 8457 | 96.84 | 114.68 | 42.8 | 27.37 | 24.92 |
| 16367 | 96.82 | 3315.64 | 884.55 | 1409.37 | 528.75 |
| 3690 | 96.79 | 805.91 | 407.95 | 261.68 | 125.29 |
| 1937 | 96.55 | 1339.77 | 331.65 | 572.07 | 327.85 |
| 23449 | 96.55 | 3104.26 | 738.51 | 841.37 | 689.06 |
| 23448 | 96.5 | 4472.58 | 1660.85 | 1076.25 | 831.89 |
| 23682 | 96.36 | 525.38 | 136.11 | 245.55 | 100.44 |
| 8220 | 96.13 | 220.36 | 52.4 | 102.56 | 40.04 |
| 23608 | 95.14 | 795.8 | 112.54 | 398 | 187.75 |
| 17807 | 94.69 | 3225.07 | 153.73 | 2042.58 | 726.46 |
| 11301 | 94.51 | 634.99 | 158.89 | 286.88 | 146.16 |
| 20050 | 94.35 | 748.02 | 84.99 | 339.5 | 204.63 |
| 22866 | 94.03 | 524.06 | 59.11 | 336.47 | 99.07 |
| 353 | 93.9 | 125.52 | 38.07 | 59.87 | 123.88 |
| 21192 | 93.79 | 135.98 | 44.67 | 55.12 | 44.86 |
| 2264 | 93.71 | 254.04 | 31.91 | 408.42 | 96.74 |
| 19064 | 93.42 | 226.67 | 15.79 | 159.53 | 44.39 |
| 23336 | 93.29 | 66.2 | 20.66 | 24.35 | 24.47 |
| 8212 | 93.26 | 3080.84 | 204.91 | 1976.37 | 729.43 |
| 3067 | 93.26 | 272.51 | 51.22 | 173.13 | 48.04 |
| 18027 | 93.11 | 217.67 | 139.55 | 48.38 | 29.47 |
| 14231 | 92.95 | 403.32 | 298.54 | 43.92 | 48.55 |
| 9192 | 92.89 | 2611.89 | 316.23 | 1620.59 | 665.1 |
| 11264 | 92.52 | 115.31 | 14.52 | 57.97 | 37.9 |

| TABLE 5HH: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935328.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2542 | 92.49 | 26.8 | 14.39 | 90.54 | 46.71 |
| 17768 | 92.38 | 508.98 | 107.74 | 771.48 | 144.13 |
| 18925 | 92.36 | 173.76 | 12.2 | 110.65 | 54.07 |
| 22677 | 92.22 | 200.39 | 36.08 | 121.46 | 73.6 |
| 13563 | 92.16 | 2682.83 | 602.24 | 1177.52 | 343.01 |
| 11319 | 91.93 | 49.14 | 5.01 | 28.94 | 18.22 |
| 15173 | 91.68 | 1111.82 | 292.37 | 350.11 | 153.94 |
| 7084 | 91.61 | 811.27 | 79.74 | 446.97 | 209.06 |
| 2354 | 91.44 | 2333.01 | 966.09 | 812.56 | 267.77 |
| 6781 | 91.37 | 315.24 | 46.79 | 182.31 | 80.86 |
| 6619 | 91.36 | 781.02 | 169.94 | 397.94 | 95.63 |
| 21577 | 91.35 | 209.31 | 40.92 | 114.33 | 70.98 |
| 22340 | 91.27 | 273.9 | 45.11 | 527.89 | 183.73 |
| 11426 | 91.24 | 54.82 | 12.26 | 122.47 | 53.36 |
| 10270 | 91.16 | 222.98 | 22.57 | 139.32 | 63.14 |
| 9157 | 91.16 | 112.83 | 19.29 | 47.5 | 43.61 |
| 21529 | 91.14 | 172.28 | 40.58 | 324.48 | 97.55 |
| 15296 | 91.11 | 93.79 | 40.27 | 211.01 | 76.4 |
| 8130 | 91.1 | 133.83 | 47.51 | 26.18 | 30.84 |
| 14725 | 90.95 | 111.76 | 8.55 | 73 | 28.49 |
| 15227 | 90.9 | 2109.11 | 196.29 | 1547.32 | 350.05 |
| 9383 | 90.86 | 113.63 | 44.65 | 27.8 | 24.04 |
| 13751 | 90.84 | 82.91 | 12.47 | 53.55 | 39.78 |
| 6164 | 90.72 | 605.76 | 127.27 | 338.02 | 84.35 |
| 2967 | 90.63 | 2868.91 | 249.17 | 1812.14 | 1025.98 |
| 4791 | 90.55 | 143.91 | 12.56 | 107.63 | 33.5 |
| 23521 | 90.51 | 583.68 | 189.86 | 192.33 | 141.3 |
| 8215 | 90.3 | 715.35 | 150.06 | 386.63 | 135.84 |
| 15743 | 90.27 | 439.35 | 132.05 | 227.72 | 78.54 |
| 2515 | 90.21 | 349 | 83.59 | 618.68 | 182.75 |
| 20803 | 90.18 | 188.64 | 20.65 | 286.58 | 114.7 |
| 11492 | 90.15 | 263.78 | 103.86 | 520.85 | 158.95 |
| 14468 | 90.15 | 126.14 | 17.44 | 86.34 | 26.77 |
| 6109 | 90.07 | 6093.92 | 500.91 | 3578.75 | 2265.06 |
| 6222 | 90.06 | 140.98 | 58.09 | 28.24 | 32.28 |
| 3429 | 90.06 | 503.67 | 174.2 | 238.73 | 89.86 |
| 19443 | 90.03 | 2484.35 | 509.35 | 1362.07 | 430.5 |
| 23673 | 89.99 | 220.76 | 24.84 | 371.92 | 145.35 |
| 9047 | 89.99 | 405.39 | 50.43 | 230.46 | 133.79 |
| 9176 | 89.99 | 516.66 | 37.37 | 408.28 | 78.14 |
| 22534 | 89.95 | 977.69 | 174.85 | 593.79 | 142.8 |
| 26117 | 89.92 | 340.12 | 68.01 | 258.6 | 309.34 |
| 23262 | 89.92 | 23.88 | 7.08 | 48.01 | 17.4 |
| 10710 | 89.9 | 333.15 | 99.88 | 176.14 | 58.21 |
| 9384 | 89.85 | 88.82 | 31.18 | 28.97 | 22.42 |
| 16739 | 89.82 | 1077.66 | 133.48 | 673.58 | 160.39 |
| 19428 | 89.76 | 10977 | 1376 | 5593.94 | 4076.86 |
| 19772 | 89.68 | 53.32 | 5.13 | 71.78 | 60.33 |
| 7460 | 89.65 | 15959.29 | 1721.18 | 8318.37 | 5705.68 |
| 15124 | 89.61 | 2734.2 | 592.64 | 1345.23 | 437.59 |
| 20826 | 89.3 | 140.39 | 19.32 | 220.82 | 70.05 |

| TABLE 5HH: DIOXIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25468 | 89.28 | 3533.83 | 445.3 | 2319.31 | 1102.35 |
| 25041 | 89.25 | 36.61 | 7.91 | 102.06 | 66.16 |
| 16135 | 89.2 | 6079.82 | 593.9 | 3552.53 | 2537.45 |
| 21681 | 89.19 | 91.84 | 28.28 | 45.51 | 23.72 |
| 21657 | 89.17 | 370.79 | 100.53 | 753.88 | 293.88 |
| 17401 | 89.12 | 203.14 | 26.21 | 434.1 | 217.73 |
| 16132 | 89.01 | 5865.77 | 632.9 | 3394.46 | 2222.59 |
| 4186 | 88.64 | 5638.41 | 635.44 | 3628.39 | 2063.6 |
| 23220 | 88.59 | 123.1 | 24.03 | 84.64 | 30.19 |
| 15126 | 88.52 | 2607.62 | 724.74 | 1270.16 | 531.79 |
| 15295 | 88.43 | 112.65 | 29.9 | 194.67 | 59.07 |
| 15127 | 88.28 | 1500.07 | 454.48 | 690 | 322.35 |
| 16726 | 88.16 | 586.8 | 56.63 | 792.56 | 197.38 |
| 4407 | 87.95 | 79.7 | 12.14 | 144.33 | 57.76 |
| 25469 | 87.92 | 2397.79 | 319.15 | 1625.67 | 753.12 |
| 19227 | 87.87 | 75.68 | 11.56 | 117.21 | 34.26 |
| 17112 | 87.82 | 8780.37 | 1086.9 | 4680.78 | 3961.6 |
| 17829 | 87.79 | 3658.47 | 448.66 | 2368.91 | 1197.67 |
| 8438 | 87.74 | 41.31 | 12.02 | 94.39 | 45.39 |
| 794 | 87.74 | 627.48 | 84.8 | 802.77 | 229 |
| 9842 | 87.65 | 2284.39 | 132.25 | 1599.89 | 413.31 |
| 19340 | 87.61 | 305.16 | 11.44 | 361.54 | 83.1 |
| 16275 | 87.55 | 6111.42 | 805.81 | 3424.32 | 2257.07 |
| 24434 | 87.53 | 132.07 | 27.63 | 233.39 | 100.31 |
| 24862 | 87.47 | 132.11 | 20.7 | 200.66 | 58.58 |
| 17676 | 87.47 | 5085.23 | 608.47 | 3101.17 | 1642.91 |
| 25051 | 87.39 | 3863.25 | 383.85 | 2688.82 | 1552.56 |
| 3549 | 87.34 | 124.96 | 16.37 | 201.83 | 82.03 |
| 764 | 87.3 | 112.67 | 86.11 | 100.3 | 38.08 |
| 12155 | 87.23 | 337.38 | 34.34 | 632.65 | 668.12 |
| 1958 | 87.23 | 4790.66 | 486.37 | 3316.01 | 1945.06 |
| 1959 | 87.1 | 4888.04 | 547.76 | 2974.28 | 1815.96 |
| 21904 | 86.94 | 3897.73 | 317.81 | 3002.3 | 1597.44 |
| 17742 | 86.94 | 2311.33 | 185.01 | 2009.47 | 695.24 |
| 1835 | 86.9 | 163.05 | 43.48 | 96.7 | 41.41 |
| 23698 | 86.9 | 679.99 | 152.24 | 357.35 | 407.83 |
| 23576 | 86.89 | 1479.53 | 70.25 | 1335.66 | 314.38 |
| 20404 | 86.82 | 231.23 | 202.01 | 205.04 | 111.02 |
| 10260 | 86.76 | 110.95 | 25.47 | 201.79 | 82.57 |
| 20784 | 86.68 | 194.28 | 94.41 | 392.33 | 143.32 |
| 21094 | 86.62 | 60.09 | 67.09 | 233.99 | 145 |
| 4185 | 86.6 | 6978.14 | 910.52 | 4084.03 | 2979.96 |
| 25481 | 86.6 | 4340.67 | 457.91 | 3058.37 | 1745.8 |
| 2970 | 86.57 | 3368.47 | 375.1 | 2295.35 | 1091.39 |
| 21152 | 86.49 | 5797.67 | 752.11 | 3584.44 | 2476.36 |
| 19 | 86.46 | 396.68 | 39.76 | 593.34 | 214.2 |
| 20779 | 86.35 | 2030.22 | 256.82 | 1368.89 | 347.65 |
| 23699 | 86.32 | 917.21 | 113.29 | 642.31 | 308.34 |
| 1897 | 86.32 | 139.32 | 28.42 | 84.66 | 34.04 |
| 25050 | 86.25 | 3679.92 | 483.99 | 2368.6 | 1302.87 |
| 1409 | 86.25 | 283.07 | 54.69 | 411.46 | 113.96 |

| TABLE 5HH: DIOXIN | | | | | |
|-------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | | Attorney Docket 44921-5033-01-WO | | |
| GLC/C | | | Document No. 1935323.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19252 | 85.99 | 330.82 | 38.53 | 520.83 | 190.2 |
| 16130 | 85.91 | 5670.73 | 927.47 | 3523.39 | 2336.88 |
| 17148 | 85.8 | 6068.76 | 805.91 | 3825.99 | 2485.79 |
| 15718 | 85.77 | 44.87 | 10 | 72.76 | 30.53 |
| 24420 | 85.75 | 1988.24 | 191.34 | 1528.34 | 574.77 |
| 745 | 85.72 | 26.49 | 1.34 | 26.85 | 12.99 |
| 17472 | 85.7 | 4352.42 | 609.97 | 2564.44 | 1598.12 |
| 12192 | 85.52 | 286.13 | 57.2 | 192.18 | 51.78 |
| 25252 | 85.51 | 112.36 | 44.05 | 220.57 | 94.93 |
| 14983 | 85.48 | 6883.32 | 1215.13 | 4024.13 | 3461.55 |
| 17787 | 85.35 | 2655.76 | 444.29 | 1558.71 | 1002.63 |
| 818 | 85.3 | 5380.67 | 628.86 | 3411.17 | 2156.46 |
| 15274 | 85.08 | 53.18 | 10.3 | 83.71 | 27.08 |
| 24235 | 85.07 | 505.73 | 113.52 | 329.1 | 169.28 |
| 4212 | 85.01 | 6376.04 | 787.98 | 4055.65 | 2672.48 |
| 18867 | 84.97 | 1189.1 | 213.55 | 824.34 | 222.08 |
| 17062 | 84.95 | 69.11 | 11.87 | 114.71 | 47.85 |

| TABLE 51: DMN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 10611 | 99.23 | 260.37 | 72.4 | 23.98 | 38.98 |
| 20755 | 98.46 | 376.86 | 78.86 | 54.53 | 60.24 |
| 7324 | 98.38 | 457.11 | 129.36 | 92.35 | 83.29 |
| 12873 | 98.3 | 407.94 | 77 | 114.93 | 67.27 |
| 20082 | 98.2 | 186.17 | 43.62 | 40 | 43.7 |
| 20757 | 98.09 | 1163.72 | 405.06 | 271.12 | 115.22 |
| 20449 | 98.06 | 83.53 | 20.65 | 40.61 | 104.49 |
| 21275 | 97.93 | 570.18 | 165.66 | 204.68 | 90.03 |
| 3090 | 97.45 | 275.65 | 74.39 | 141.14 | 39.01 |
| 25705 | 97.24 | 1290.52 | 178.77 | 741.1 | 195.7 |
| 15301 | 97.19 | 91.6 | 25.54 | 25.71 | 129.29 |
| 15300 | 96.66 | 421.39 | 88.59 | 231.58 | 229.6 |
| 16427 | 95.99 | 81.11 | 13.6 | 223.4 | 81.95 |
| 6155 | 95.91 | 106.94 | 23.89 | 275.99 | 110.88 |
| 1650 | 95.44 | 118.02 | 29.48 | 256.09 | 75.05 |
| 16426 | 95.38 | 180.15 | 33.39 | 404.43 | 119.96 |
| 19230 | 95.14 | 414.35 | 132.54 | 200.5 | 113.44 |
| 22681 | 95.06 | 322.74 | 96.22 | 158.17 | 361.42 |
| 17239 | 94.93 | 662.68 | 105.52 | 447.81 | 102.34 |
| 23445 | 94.82 | 31.51 | 22.16 | 236.45 | 130.54 |
| 18943 | 94.53 | 616.56 | 97.37 | 370.31 | 114.49 |
| 17541 | 94.48 | 2931.46 | 420.37 | 1625.04 | 635.87 |
| 12745 | 93.79 | 69.9 | 14.85 | 40.07 | 23.9 |
| 10109 | 93.71 | 1234.99 | 52.48 | 1046.73 | 223.89 |
| 20481 | 93.58 | 40.6 | 9.74 | 97.31 | 35.1 |
| 25550 | 93.47 | 78.27 | 16.65 | 39.37 | 24.25 |
| 23928 | 93.37 | 71.3 | 26.48 | 144.71 | 37.67 |
| 21228 | 93.31 | 78.48 | 17.26 | 167.64 | 61.75 |
| 23115 | 93.18 | 450.71 | 117.99 | 253.66 | 142.87 |
| 16823 | 93.13 | 423.93 | 50.59 | 753.84 | 216.05 |
| 11274 | 92.7 | 183.86 | 45.89 | 308.91 | 67.56 |
| 16824 | 92.06 | 103.69 | 44.85 | 263.55 | 99.01 |
| 14594 | 91.73 | 176.08 | 53.81 | 46.07 | 37.76 |
| 9196 | 91.64 | 140.71 | 29.23 | 274.89 | 87.41 |
| 10695 | 91.61 | 378.58 | 37.87 | 252.95 | 155.23 |
| 1654 | 91.56 | 101.41 | 24.76 | 205 | 61.93 |
| 20705 | 91.51 | 327.76 | 109.86 | 1030.44 | 949.55 |
| 14424 | 91.39 | 349.64 | 162.38 | 91.56 | 282.7 |
| 22929 | 91.32 | 689.87 | 130.29 | 1242.24 | 788.78 |
| 3657 | 91.31 | 118.24 | 51.59 | 378.52 | 136.92 |
| 24234 | 91.27 | 204.32 | 25.16 | 146.78 | 122.16 |
| 22476 | 91.24 | 270.33 | 52.51 | 466.29 | 135.25 |
| 1037 | 91.23 | 77.54 | 10.71 | 39.36 | 37.3 |
| 8860 | 91.22 | 565.01 | 111.13 | 361.06 | 137.37 |
| 17097 | 91.08 | 147.73 | 30.16 | 66.94 | 46.59 |
| 22677 | 90.57 | 279.58 | 106.61 | 121.13 | 72.8 |
| 7184 | 90.51 | 427.1 | 151.85 | 144.47 | 69.17 |
| 15098 | 90.39 | 64.64 | 15.43 | 118.91 | 41.13 |
| 19710 | 90.34 | 133.76 | 18.3 | 240.26 | 107.59 |
| 11150 | 90.34 | 61.64 | 22.65 | 178.91 | 93.15 |
| 26184 | 90.33 | 582.38 | 179.83 | 278.07 | 79.64 |

| TABLE 51: DMN | | Attorney Docket 44921-5033-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23048 | 90.31 | 408.77 | 34.44 | 315.57 | 61.65 |
| 8494 | 90.26 | 103.62 | 25.77 | 192.52 | 70.38 |
| 20735 | 90.21 | 284.86 | 70.69 | 189.51 | 132.51 |
| 7784 | 89.99 | 72.74 | 14.56 | 121.86 | 50.88 |
| 1431 | 89.86 | 275.65 | 56.58 | 432.92 | 189.36 |
| 23776 | 89.76 | 33.3 | 24 | 135.64 | 69.41 |
| 16518 | 89.73 | 1195.51 | 200.43 | 771.59 | 339.07 |
| 40 | 89.7 | 200.35 | 21.2 | 363.96 | 186.44 |
| 11547 | 89.54 | 197.93 | 53.7 | 344.87 | 111.06 |
| 2131 | 89.53 | 45.39 | 25.7 | 120.14 | 29.79 |
| 16938 | 89.45 | 1899.98 | 471.54 | 1366.33 | 273.44 |
| 1900 | 89.3 | 164.49 | 44.57 | 335.2 | 146.94 |
| 4588 | 89.23 | 21.91 | 5.28 | 42.45 | 24.88 |
| 18252 | 89.17 | 2218.64 | 327.68 | 1501.46 | 500.37 |
| 18636 | 89.12 | 4123.05 | 577.24 | 2650.68 | 1037.55 |
| 21796 | 89.12 | 149.5 | 23.05 | 104.57 | 58.07 |
| 1644 | 88.92 | 68.48 | 23.27 | 158.32 | 52.66 |
| 8950 | 88.69 | 106.48 | 8.09 | 153.07 | 49.07 |
| 18624 | 88.69 | 874.22 | 156.06 | 600.12 | 236.24 |
| 25632 | 88.69 | 31.5 | 11.37 | 129.14 | 294.02 |
| 3367 | 88.61 | 769.16 | 143.81 | 532.38 | 199.52 |
| 1928 | 88.51 | 206.8 | 22.17 | 292.67 | 97.04 |
| 20703 | 88.46 | 135.17 | 53.54 | 451.31 | 483.11 |
| 17054 | 88.4 | 1579.04 | 60.14 | 1397.18 | 302.49 |
| 24431 | 88.36 | 123.48 | 49.47 | 63.66 | 151.45 |
| 21523 | 88.35 | 76.66 | 19.77 | 41.39 | 29.92 |
| 18750 | 88.3 | 275.76 | 12.87 | 246.57 | 72.01 |
| 4391 | 88.16 | 1232.65 | 146.3 | 936.26 | 222.33 |
| 5996 | 87.98 | 137.61 | 25.16 | 230.1 | 78.74 |
| 19075 | 87.95 | 177.45 | 16.86 | 141.87 | 67.27 |
| 8240 | 87.92 | 133.57 | 33.3 | 76.01 | 57.48 |
| 16917 | 87.9 | 39.04 | 16.19 | 94.24 | 50.18 |
| 4314 | 87.82 | 311.47 | 51.04 | 455.52 | 118 |
| 23964 | 87.81 | 92.91 | 39.26 | 184.17 | 47.24 |
| 16073 | 87.77 | 74.26 | 28.35 | 173.59 | 76.39 |
| 18936 | 87.74 | 2250.9 | 303.58 | 1613.45 | 474.33 |
| 2809 | 87.66 | 40.73 | 5.43 | 27.94 | 24.02 |
| 11152 | 87.65 | 112.18 | 30.12 | 334.65 | 142.25 |
| 6645 | 87.63 | 97.65 | 15.95 | 141.26 | 32.41 |
| 17175 | 87.63 | 735.72 | 75.51 | 613.13 | 171.88 |
| 547 | 87.57 | 556.61 | 117.35 | 373.58 | 91.18 |
| 11353 | 87.55 | 87.8 | 3.69 | 92.5 | 34.02 |
| 2482 | 87.51 | 89.43 | 50.01 | 214.96 | 65.37 |
| 6554 | 87.45 | 451.7 | 57.12 | 611.4 | 162.44 |
| 19105 | 87.34 | 932.98 | 84.45 | 764.77 | 185.7 |
| 4914 | 87.27 | 181.2 | 169.82 | 481.83 | 150.22 |
| 1653 | 87.25 | 221.08 | 68.26 | 387.22 | 96.06 |
| 3916 | 87.23 | 1118.61 | 183.59 | 1540.3 | 411.05 |
| 15571 | 87.21 | 36.15 | 13.09 | 136.96 | 374.23 |
| 6911 | 87.19 | 97.02 | 52.48 | 234.31 | 74.39 |
| 354 | 87.18 | 102.96 | 21.36 | 82.14 | 152.8 |

| TABLE 51: DMN | | | | | |
|----------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20872 | 87.14 | 1093.96 | 138.31 | 763.28 | 263.11 |
| 17290 | 86.94 | 86.17 | 29.83 | 177.04 | 95.77 |
| 25467 | 86.76 | 142.14 | 76.31 | 368.22 | 173.58 |
| 7101 | 86.62 | 2244.38 | 133.5 | 1904.79 | 641.01 |
| 1640 | 86.33 | 23.17 | 8.59 | 52.33 | 24.49 |
| 15642 | 86.29 | 529.27 | 102.54 | 375.9 | 160.46 |
| 20182 | 86.21 | 106.47 | 24.22 | 60.85 | 28.38 |
| 18619 | 86.08 | 2018.28 | 204.02 | 1378.79 | 386.54 |
| 11153 | 85.81 | 314.79 | 73.12 | 633.48 | 201.91 |
| 20839 | 85.81 | 1404.91 | 102.74 | 1134.07 | 217.49 |
| 7863 | 85.72 | 739.98 | 55.74 | 647.49 | 158.07 |
| 14332 | 85.7 | 36.72 | 3.8 | 28.41 | 38.02 |
| 1453 | 85.7 | 37.74 | 3.71 | 28.85 | 15.64 |
| 6912 | 85.52 | 75.39 | 50.88 | 193.79 | 64.38 |
| 20885 | 85.35 | 26.31 | 3.34 | 41.62 | 38.79 |
| 15299 | 85.34 | 134.19 | 40.51 | 78.11 | 128.75 |
| 19703 | 85.3 | 72.19 | 12.32 | 111.45 | 38.77 |
| 12155 | 85.27 | 339.87 | 40.57 | 632.64 | 668.12 |
| 17104 | 85.01 | 620.05 | 60.9 | 542.79 | 142.78 |
| 10626 | 84.79 | 1565.68 | 127.64 | 1679.83 | 656.86 |
| 18316 | 84.77 | 25.66 | 7.37 | 74.49 | 60.64 |
| 21643 | 84.71 | 1070.61 | 134.59 | 892.03 | 222.99 |
| 4441 | 84.57 | 1007.42 | 46.5 | 850.71 | 218.82 |
| 10540 | 84.18 | 89.19 | 37.15 | 23.7 | 18.1 |
| 22352 | 84.14 | 175.6 | 48.02 | 110.25 | 181.7 |
| 18611 | 84.02 | 1380.8 | 143.16 | 1140.38 | 542.3 |
| 1169 | 84.01 | 100.82 | 23.79 | 62.97 | 34.33 |
| 20161 | 83.97 | 38.04 | 10.98 | 29.15 | 55.67 |
| 961 | 83.89 | 686.32 | 74.83 | 524.22 | 176.32 |
| 9541 | 83.88 | 139.53 | 42.53 | 72.02 | 109.9 |
| 4011 | 83.86 | 1124.99 | 213.07 | 1820.9 | 680.68 |
| 1647 | 83.8 | 41.79 | 15.18 | 90.88 | 36.55 |
| 12639 | 83.69 | 1335.15 | 168.45 | 1101.1 | 175.62 |
| 1540 | 83.6 | 111.33 | 19.77 | 161.66 | 58.72 |
| 25747 | 83.52 | 531.85 | 101.55 | 425.7 | 234.21 |
| 16150 | 83.49 | 432.85 | 83.94 | 670.8 | 277.26 |
| 15666 | 83.44 | 3808.6 | 1219.44 | 1491.8 | 648.23 |
| 21625 | 83.41 | 2738.11 | 391.36 | 2033.72 | 625.73 |
| 15653 | 83.36 | 1373.56 | 133.6 | 1072.82 | 275.73 |
| 21842 | 83.28 | 326.33 | 95.49 | 564.34 | 295.41 |
| 17752 | 83.05 | 264.68 | 58.84 | 472.42 | 141.94 |
| 4450 | 83.04 | 134.65 | 25.37 | 197.21 | 61.21 |
| 16217 | 82.92 | 275.45 | 56.22 | 451.54 | 151.41 |
| 24597 | 82.9 | 374.78 | 54.87 | 255.25 | 98.74 |
| 10623 | 82.86 | 1278.89 | 211.79 | 1103.01 | 504.51 |
| 23047 | 82.64 | 26.92 | 4.48 | 37.72 | 15.05 |
| 17920 | 82.54 | 109.83 | 14.84 | 142.01 | 44.52 |
| 3831 | 82.54 | 41.32 | 5.71 | 34.42 | 24.7 |
| 24810 | 82.48 | 370.44 | 44.88 | 417.04 | 151.67 |
| 24469 | 82.39 | 770.62 | 60.09 | 621.61 | 200.08 |
| 15667 | 82.38 | 2998.04 | 884.83 | 1560.04 | 547.14 |

| TABLE 51: DMN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20448 | 82.34 | 72.6 | 21.45 | 42.76 | 74.17 |
| 1753 | 82.3 | 561.45 | 72.44 | 440.41 | 172.36 |
| 17105 | 82.19 | 1122.82 | 102.4 | 982.97 | 354.51 |
| 16780 | 82.17 | 228.22 | 30.02 | 310.25 | 112.33 |
| 23854 | 82.1 | 576.74 | 63.35 | 452.11 | 150.57 |
| 21064 | 82.09 | 71.37 | 7.22 | 64.12 | 25.19 |
| 7064 | 82.06 | 402.56 | 67.08 | 334.93 | 202.12 |

| TABLE 5JJ: ESTRADIOL | | | | | |
|---------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9604 | 96.56 | 324.48 | 240.02 | 23.81 | 24.97 |
| 14795 | 96.5 | 839.96 | 390.4 | 130.62 | 62.84 |
| 313 | 96.45 | 396.58 | 195.81 | 39.16 | 50.91 |
| 18877 | 96.34 | 1775.63 | 519.39 | 184.82 | 209.06 |
| 20564 | 96.24 | 2070.38 | 776.36 | 289.99 | 235.64 |
| 672 | 96.21 | 204.54 | 61.14 | 33.12 | 40.93 |
| 3944 | 96.21 | 2099.49 | 582.2 | 363.21 | 219.79 |
| 14266 | 96.15 | 468.31 | 163.12 | 20.15 | 57.39 |
| 173 | 96.08 | 310.69 | 51.46 | 110.4 | 79.09 |
| 17699 | 95.86 | 418.24 | 115.9 | 88.42 | 64.69 |
| 9917 | 95.75 | 152.82 | 48.9 | 48.63 | 17.16 |
| 8230 | 95.7 | 235.48 | 52.53 | 93.34 | 51.84 |
| 16043 | 95.67 | 363.94 | 128.55 | 128.7 | 38.14 |
| 10418 | 95.67 | 1234.87 | 274.54 | 422.24 | 250.23 |
| 5264 | 95.67 | 836.54 | 240.63 | 76.71 | 144.31 |
| 13963 | 95.57 | 586.69 | 209.48 | 189.84 | 94.39 |
| 17698 | 95.54 | 122.95 | 46.78 | 25.44 | 21.33 |
| 11465 | 95.54 | 680.45 | 197.56 | 145.82 | 98.74 |
| 8221 | 95.54 | 177.82 | 52.96 | 39.66 | 24.54 |
| 3075 | 95.38 | 518.02 | 142.54 | 161.49 | 133.83 |
| 24012 | 95.35 | 2128.85 | 551.3 | 402.89 | 298.07 |
| 10588 | 95.33 | 543.15 | 132.83 | 141.56 | 114.37 |
| 25290 | 95.25 | 446.34 | 134.17 | 46.94 | 63.04 |
| 6549 | 95.03 | 527.93 | 156.03 | 173.91 | 124.63 |
| 3073 | 94.98 | 407.02 | 112.34 | 98.33 | 85.22 |
| 21703 | 94.96 | 75.72 | 16.92 | 37.79 | 18.16 |
| 12361 | 94.93 | 1081.3 | 258.25 | 418.31 | 190.05 |
| 18141 | 94.82 | 1108.83 | 410.44 | 323 | 156.3 |
| 23468 | 94.79 | 907.91 | 169.04 | 498.58 | 125.27 |
| 3074 | 94.79 | 306.61 | 85.94 | 85 | 60.55 |
| 23362 | 94.74 | 530.23 | 137.65 | 212.25 | 69.47 |
| 4674 | 94.56 | 186.88 | 63.52 | 553.02 | 205.62 |
| 13092 | 94.29 | 679.34 | 186.04 | 215.84 | 114.51 |
| 9918 | 94.1 | 397.25 | 84.39 | 220.4 | 50.54 |
| 16329 | 94.1 | 655.6 | 169.89 | 257.59 | 109.16 |
| 22722 | 93.94 | 578.53 | 279.92 | 27.36 | 100.34 |
| 18612 | 93.81 | 216.88 | 44.5 | 100.71 | 37.01 |
| 21911 | 93.81 | 276.98 | 40.39 | 138.76 | 71.1 |
| 7938 | 93.73 | 120.56 | 30.61 | 39.52 | 27.62 |
| 969 | 93.59 | 257.51 | 85.63 | 55.08 | 61.78 |
| 24013 | 93.51 | 192.1 | 40.65 | 61.8 | 62.2 |
| 172 | 93.49 | 69.67 | 13.41 | 28.2 | 21.92 |
| 25718 | 93.49 | 737.48 | 107.8 | 434.03 | 109.51 |
| 9621 | 93.46 | 497.95 | 89.06 | 279.62 | 79.02 |
| 16684 | 93.35 | 703.1 | 145.21 | 352.31 | 142.09 |
| 1561 | 93.33 | 422.33 | 159.48 | 877.31 | 219.03 |
| 968 | 93.33 | 566.66 | 131.6 | 172.42 | 124.46 |
| 12120 | 93.27 | 324.38 | 187.24 | 20.02 | 45.79 |
| 12585 | 93.19 | 975.9 | 134.47 | 605.72 | 137.58 |
| 21980 | 93.09 | 916.14 | 158.96 | 502.2 | 157.8 |
| 12313 | 93.03 | 422.1 | 664.19 | 3729.49 | 1819.18 |

| TABLE 5JJ: ESTRADIOL | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2230 | 92.95 | 228.53 | 55.1 | 82.37 | 49.94 |
| 2373 | 92.95 | 684.36 | 143.98 | 329.42 | 126.44 |
| 25686 | 92.93 | 1078.24 | 147.51 | 718.57 | 185.04 |
| 14959 | 92.85 | 874.14 | 141.99 | 535.16 | 172.43 |
| 14971 | 92.76 | 244.89 | 86.66 | 96.62 | 36.48 |
| 17101 | 92.74 | 328.1 | 54.36 | 182.12 | 63.54 |
| 7514 | 92.66 | 205.13 | 38.9 | 121.92 | 34.23 |
| 9402 | 92.66 | 280.76 | 28.34 | 186.98 | 52.76 |
| 2231 | 92.55 | 786.08 | 235.61 | 297.58 | 103.73 |
| 2246 | 92.53 | 268.08 | 60.16 | 146.81 | 43.35 |
| 6560 | 92.5 | 257.78 | 79.83 | 85.44 | 41.1 |
| 12655 | 92.5 | 222.89 | 54.82 | 73.9 | 67.32 |
| 17175 | 92.5 | 1033.17 | 158.08 | 609.62 | 166.89 |
| 13229 | 92.45 | 316.9 | 68.4 | 182.49 | 49.79 |
| 4957 | 92.42 | 317.88 | 91.15 | 93.82 | 47.16 |
| 24442 | 92.34 | 317.98 | 90.87 | 106.86 | 45.11 |
| 4956 | 92.34 | 449.98 | 126.84 | 125.26 | 65.68 |
| 291 | 92.34 | 624.72 | 134.5 | 314.15 | 110.88 |
| 18525 | 92.29 | 72.91 | 26.7 | 204.39 | 79.63 |
| 17104 | 92.29 | 874.98 | 133.89 | 539.93 | 138.94 |
| 6547 | 92.26 | 905.05 | 377.01 | 247.6 | 187.11 |
| 6592 | 92.23 | 412.02 | 96.37 | 190.37 | 81.53 |
| 7171 | 92.23 | 438.88 | 59.95 | 254.09 | 79.15 |
| 16783 | 92.13 | 107.07 | 27.23 | 28.65 | 40.03 |
| 14977 | 92.1 | 802.06 | 244 | 363.13 | 138.91 |
| 4622 | 91.99 | 889.77 | 85.11 | 623.23 | 119.73 |
| 4621 | 91.96 | 594.53 | 79.68 | 333.69 | 79.72 |
| 7497 | 91.75 | 1137.54 | 116.59 | 1720.41 | 334.53 |
| 18140 | 91.59 | 502.43 | 195 | 137.91 | 92.29 |
| 3528 | 91.54 | 173.34 | 71.42 | 42.9 | 39.78 |
| 7448 | 91.48 | 213.17 | 50.15 | 86.8 | 41.66 |
| 17171 | 91.46 | 631.51 | 138.97 | 282.44 | 173.09 |
| 9778 | 91.46 | 407.44 | 114.93 | 39.49 | 141.34 |
| 17953 | 91.3 | 258.4 | 38.85 | 156.8 | 45.95 |
| 7584 | 91.27 | 2389.92 | 621.26 | 930 | 532.9 |
| 3905 | 91.25 | 659.52 | 129.23 | 393.66 | 157.55 |
| 21103 | 91.14 | 419.88 | 113.99 | 173.02 | 65.01 |
| 17613 | 91.09 | 496.7 | 93.71 | 305.21 | 125.39 |
| 21871 | 91.08 | 538.33 | 83.73 | 321.7 | 77.58 |
| 5666 | 91.01 | 155.28 | 22.06 | 96.94 | 30.18 |
| 19647 | 90.95 | 95.76 | 24.79 | 28.24 | 35.89 |
| 970 | 90.92 | 483.81 | 160.43 | 99.36 | 103.22 |
| 6015 | 90.87 | 696.65 | 254.08 | 1513.29 | 391.3 |
| 16809 | 90.77 | 59.32 | 11.32 | 29.56 | 25.85 |
| 19110 | 90.71 | 247.1 | 61.32 | 100.92 | 103.93 |
| 16327 | 90.66 | 957.21 | 142.66 | 539.63 | 153.41 |
| 9385 | 90.63 | 229.95 | 85.92 | 57.39 | 55.99 |
| 6541 | 90.6 | 865.61 | 450.78 | 209.71 | 71.51 |
| 9141 | 90.55 | 143.05 | 50.15 | 44.07 | 50.4 |
| 7170 | 90.44 | 120.12 | 17.51 | 59.06 | 21.22 |
| 16306 | 90.34 | 630.92 | 159 | 1104.48 | 252.81 |

| TABLE 6J: ESTRADIOL | | | | | |
|---------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 13646 | 90.34 | 1109.79 | 149.77 | 744.84 | 194.82 |
| 14384 | 90.31 | 403.63 | 62.76 | 246.26 | 62.96 |
| 24615 | 90.18 | 1159.74 | 161.11 | 831.33 | 195.66 |
| 23220 | 89.94 | 161.96 | 44.64 | 84.06 | 29.14 |
| 3929 | 89.94 | 47.67 | 13.75 | 20.68 | 12.55 |
| 25518 | 89.94 | 62.97 | 15.54 | 26.81 | 17.29 |
| 23203 | 89.78 | 198.96 | 45.89 | 101.91 | 42.06 |
| 6128 | 89.7 | 121.41 | 26.8 | 60.77 | 20.91 |
| 6405 | 89.35 | 70.26 | 14.73 | 39.68 | 34.47 |
| 20983 | 89.27 | 590.36 | 116.18 | 1001.56 | 291.08 |
| 17393 | 89.24 | 267.54 | 67.42 | 139.83 | 81.3 |
| 10540 | 89.24 | 52.22 | 14.11 | 23.7 | 18.52 |
| 16178 | 89.05 | 236.39 | 36.88 | 153.56 | 37.83 |
| 20741 | 89.05 | 74.95 | 21.79 | 21.67 | 29.92 |
| 10544 | 89.03 | 261.15 | 37.36 | 179.06 | 71.34 |
| 4259 | 89.03 | 916.06 | 91.2 | 691.59 | 130.47 |
| 21115 | 88.89 | 239 | 78.12 | 69.5 | 77.78 |
| 764 | 88.89 | 183.21 | 36 | 99.55 | 37.52 |
| 24707 | 88.76 | 616.27 | 161.16 | 1266.84 | 453.72 |
| 6127 | 88.68 | 85.26 | 20.57 | 39.98 | 19.12 |
| 16204 | 88.68 | 1097.79 | 181.64 | 765.94 | 201.19 |
| 174 | 88.65 | 118.15 | 27.76 | 42.76 | 32.21 |
| 13090 | 88.55 | 294.39 | 128.9 | 78.46 | 62.42 |
| 19824 | 88.52 | 73.25 | 103.13 | 376.07 | 161.86 |
| 24718 | 88.39 | 1006.92 | 83.71 | 747.2 | 171.68 |
| 17956 | 88.39 | 98.37 | 19.08 | 57.85 | 19.13 |
| 15839 | 88.33 | 522.05 | 93.62 | 332.64 | 85.14 |
| 23491 | 88.09 | 333.66 | 104.21 | 138.15 | 63.58 |
| 17174 | 88.04 | 81.17 | 16.95 | 42.7 | 18.1 |
| 13091 | 88.04 | 412.29 | 144.18 | 155.89 | 76.91 |
| 20872 | 88.04 | 1041.39 | 189.89 | 762.02 | 262.79 |
| 15295 | 87.8 | 313.97 | 54.44 | 193.17 | 58.08 |
| 18795 | 87.8 | 925.41 | 165.24 | 538.21 | 202.29 |
| 25702 | 87.69 | 704.91 | 97.09 | 493.38 | 176.74 |
| 19825 | 87.64 | 66.86 | 108.43 | 357.77 | 160.67 |
| 19109 | 87.59 | 252.29 | 44.12 | 144.01 | 92.51 |
| 20864 | 87.56 | 920.37 | 294.55 | 466.96 | 379.06 |
| 14822 | 87.51 | 224.38 | 53.76 | 140.43 | 52.84 |
| 23192 | 87.48 | 447.31 | 91.68 | 215.89 | 83.24 |
| 14973 | 87.47 | 352.87 | 165.04 | 69.1 | 93.09 |
| 8426 | 87.38 | 59.92 | 15.24 | 37.22 | 20.69 |
| 15057 | 87.37 | 193.87 | 87.62 | 59.82 | 64.6 |
| 20256 | 87.35 | 49.87 | 18.06 | 20.92 | 21.76 |
| 16182 | 87.32 | 71.14 | 19.73 | 36.3 | 17 |
| 17530 | 87.22 | 96.97 | 40.39 | 257.91 | 107.66 |
| 11138 | 87.11 | 375.5 | 74.18 | 231.31 | 111.86 |
| 4441 | 87.11 | 1056.88 | 96.17 | 849.4 | 218.54 |
| 25071 | 87.1 | 788.12 | 234.51 | 310.08 | 180.66 |
| 20600 | 87.06 | 169.83 | 75.26 | 600.61 | 332.49 |
| 563 | 87.06 | 867.78 | 185.68 | 1378.28 | 390.47 |
| 18582 | 87 | 375.89 | 55.97 | 231.07 | 71.28 |

| TABLE 5JJ: ESTRADIOL | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17502 | 86.87 | 154.76 | 47.87 | 82.76 | 50.09 |
| 20998 | 86.76 | 691.22 | 190.72 | 1252.21 | 333.81 |
| 24771 | 86.66 | 726.23 | 155.97 | 1111 | 316.73 |
| 3902 | 86.65 | 212.25 | 49.14 | 127.34 | 39.19 |
| 16285 | 86.6 | 51.39 | 16.14 | 21.84 | 11.72 |
| 1867 | 86.57 | 921.57 | 146.81 | 627.71 | 163.29 |
| 4090 | 86.57 | 871.98 | 102.21 | 604.17 | 151.53 |
| 20601 | 86.55 | 351.5 | 152.17 | 974.6 | 456.91 |

| TABLE 5KK: ESTRADIOL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9604 | 96.56 | 324.48 | 240.02 | 23.81 | 24.97 |
| 14795 | 96.5 | 839.96 | 390.4 | 130.62 | 62.84 |
| 313 | 96.45 | 396.58 | 195.81 | 39.16 | 50.91 |
| 20564 | 96.24 | 2070.38 | 776.36 | 289.99 | 235.64 |
| 3944 | 96.21 | 2099.49 | 582.2 | 363.21 | 219.79 |
| 173 | 96.08 | 310.69 | 51.46 | 110.4 | 79.09 |
| 9917 | 95.75 | 152.82 | 48.9 | 48.63 | 17.16 |
| 8230 | 95.7 | 235.48 | 52.53 | 93.34 | 51.84 |
| 5264 | 95.67 | 836.54 | 240.63 | 76.71 | 144.31 |
| 10418 | 95.67 | 1234.87 | 274.54 | 422.24 | 250.23 |
| 16043 | 95.67 | 363.94 | 128.55 | 128.7 | 38.14 |
| 8221 | 95.54 | 177.82 | 52.96 | 39.66 | 24.54 |
| 17698 | 95.54 | 122.95 | 46.78 | 25.44 | 21.33 |
| 10588 | 95.33 | 543.15 | 132.83 | 141.56 | 114.37 |
| 21703 | 94.96 | 75.72 | 16.92 | 37.79 | 18.16 |
| 23468 | 94.79 | 907.91 | 169.04 | 498.58 | 125.27 |
| 16329 | 94.1 | 655.6 | 169.89 | 257.59 | 109.16 |
| 9918 | 94.1 | 397.25 | 84.39 | 220.4 | 50.54 |
| 21911 | 93.81 | 276.98 | 40.39 | 138.76 | 71.1 |
| 7938 | 93.73 | 120.56 | 30.61 | 39.52 | 27.62 |
| 969 | 93.59 | 257.51 | 85.63 | 55.08 | 61.78 |
| 24013 | 93.51 | 192.1 | 40.65 | 61.8 | 62.2 |
| 172 | 93.49 | 69.67 | 13.41 | 28.2 | 21.92 |
| 968 | 93.33 | 566.66 | 131.6 | 172.42 | 124.46 |
| 21980 | 93.09 | 916.14 | 158.96 | 502.2 | 157.8 |
| 12313 | 93.03 | 422.1 | 664.19 | 3729.49 | 1819.18 |
| 2230 | 92.95 | 228.53 | 55.1 | 82.37 | 49.94 |
| 25686 | 92.93 | 1078.24 | 147.51 | 718.57 | 185.04 |
| 14959 | 92.85 | 874.14 | 141.99 | 535.16 | 172.43 |
| 14971 | 92.76 | 244.89 | 86.66 | 96.62 | 36.48 |
| 17101 | 92.74 | 328.1 | 54.36 | 182.12 | 63.54 |
| 7514 | 92.66 | 205.13 | 38.9 | 121.92 | 34.23 |
| 2231 | 92.55 | 786.08 | 235.61 | 297.58 | 103.73 |
| 2246 | 92.53 | 268.08 | 60.16 | 146.81 | 43.35 |
| 17175 | 92.5 | 1033.17 | 158.08 | 609.62 | 166.89 |
| 6560 | 92.5 | 257.78 | 79.83 | 85.44 | 41.1 |
| 4957 | 92.42 | 317.88 | 91.15 | 93.82 | 47.16 |
| 4956 | 92.34 | 449.98 | 126.84 | 125.26 | 65.68 |
| 17104 | 92.29 | 874.98 | 133.89 | 539.93 | 138.94 |
| 18525 | 92.29 | 72.91 | 26.7 | 204.39 | 79.63 |
| 6547 | 92.26 | 905.05 | 377.01 | 247.6 | 187.11 |
| 7171 | 92.23 | 438.88 | 59.95 | 254.09 | 79.15 |
| 6592 | 92.23 | 412.02 | 96.37 | 190.37 | 81.53 |
| 14977 | 92.1 | 802.06 | 244 | 363.13 | 138.91 |
| 4622 | 91.99 | 889.77 | 85.11 | 623.23 | 119.73 |
| 4621 | 91.96 | 594.53 | 79.68 | 333.69 | 79.72 |
| 18140 | 91.59 | 502.43 | 195 | 137.91 | 92.29 |
| 3528 | 91.54 | 173.34 | 71.42 | 42.9 | 39.78 |
| 7448 | 91.48 | 213.17 | 50.15 | 86.8 | 41.66 |
| 9778 | 91.46 | 407.44 | 114.93 | 39.49 | 141.34 |
| 17171 | 91.46 | 631.51 | 138.97 | 282.44 | 173.09 |

| TABLE 5KK: ESTRADIOL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17953 | 91.3 | 258.4 | 38.85 | 156.8 | 45.95 |
| 3905 | 91.25 | 659.52 | 129.23 | 393.66 | 157.55 |
| 21103 | 91.14 | 419.88 | 113.99 | 173.02 | 65.01 |
| 21871 | 91.08 | 538.33 | 83.73 | 321.7 | 77.58 |
| 5666 | 91.01 | 155.28 | 22.06 | 96.94 | 30.18 |
| 19647 | 90.95 | 95.76 | 24.79 | 28.24 | 35.89 |
| 970 | 90.92 | 483.81 | 160.43 | 99.36 | 103.22 |
| 19110 | 90.71 | 247.1 | 61.32 | 100.92 | 103.93 |
| 9385 | 90.63 | 229.95 | 85.92 | 57.39 | 55.99 |
| 9141 | 90.55 | 143.05 | 50.15 | 44.07 | 50.4 |
| 21172 | 90.55 | 813.06 | 113.01 | 490.51 | 160.19 |
| 7170 | 90.44 | 120.12 | 17.51 | 59.06 | 21.22 |
| 21987 | 90.39 | 137 | 20.87 | 84.44 | 37.99 |
| 13646 | 90.34 | 1109.79 | 149.77 | 744.84 | 194.82 |
| 16306 | 90.34 | 630.92 | 159 | 1104.48 | 252.81 |
| 14384 | 90.31 | 403.63 | 62.76 | 246.26 | 62.96 |
| 3557 | 90.2 | 166.27 | 41.47 | 88.79 | 27.7 |
| 24615 | 90.18 | 1159.74 | 161.11 | 831.33 | 195.66 |
| 11404 | 90.07 | 337.81 | 61.67 | 219.87 | 128.38 |
| 25518 | 89.94 | 62.97 | 15.54 | 26.81 | 17.29 |
| 9549 | 89.78 | 96.96 | 68.79 | 254.96 | 76.31 |
| 23203 | 89.78 | 198.96 | 45.89 | 101.91 | 42.06 |
| 22142 | 89.75 | 100.55 | 27.67 | 41.39 | 23.66 |
| 4944 | 89.72 | 203.87 | 34.03 | 127.58 | 121.75 |
| 22969 | 89.72 | 511.73 | 40.8 | 362.89 | 83 |
| 6128 | 89.7 | 121.41 | 26.8 | 60.77 | 20.91 |
| 15684 | 89.59 | 655.81 | 111.39 | 359.52 | 135.25 |
| 5863 | 89.56 | 479.87 | 95.02 | 260.3 | 89.85 |
| 19211 | 89.54 | 219.37 | 51.87 | 118.87 | 48.29 |
| 6881 | 89.48 | 307.32 | 38.73 | 213.15 | 48.65 |
| 22604 | 89.46 | 459.07 | 86.87 | 1036.66 | 471.34 |
| 23299 | 89.38 | 396.88 | 90.55 | 201.15 | 149.27 |
| 6405 | 89.35 | 70.26 | 14.73 | 39.68 | 34.47 |
| 3458 | 89.3 | 1123.42 | 134.52 | 1576.64 | 296.12 |
| 9372 | 89.3 | 398.56 | 45.33 | 299 | 192.39 |
| 20983 | 89.27 | 590.36 | 116.18 | 1001.56 | 291.08 |
| 23305 | 89.19 | 155.49 | 26.25 | 91.43 | 45.74 |
| 24322 | 89.11 | 145.11 | 36.86 | 72.3 | 31.36 |
| 19544 | 89.06 | 891.86 | 146.89 | 571.84 | 201.63 |
| 16178 | 89.05 | 236.39 | 36.88 | 153.56 | 37.83 |
| 20741 | 89.05 | 74.95 | 21.79 | 21.67 | 29.92 |
| 4259 | 89.03 | 916.06 | 91.2 | 691.59 | 130.47 |
| 10544 | 89.03 | 261.15 | 37.36 | 179.06 | 71.34 |
| 8701 | 89.03 | 220.3 | 81.92 | 102.22 | 32.95 |
| 6593 | 89 | 715.81 | 119.17 | 467.49 | 140.01 |
| 7199 | 89 | 1024.2 | 198.78 | 1733.47 | 453.66 |
| 2569 | 88.95 | 513.29 | 147.4 | 911.55 | 288.99 |
| 23320 | 88.92 | 413.96 | 78.54 | 239.67 | 76.42 |
| 13018 | 88.92 | 92.42 | 24.5 | 41.58 | 23.01 |
| 21115 | 88.89 | 239 | 78.12 | 69.5 | 77.78 |
| 764 | 88.89 | 183.21 | 36 | 99.55 | 37.52 |

| TABLE 5KK: ESTRADIOL | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6127 | 88.68 | 85.26 | 20.57 | 39.98 | 19.12 |
| 16204 | 88.68 | 1097.79 | 181.64 | 765.94 | 201.19 |
| 174 | 88.65 | 118.15 | 27.76 | 42.76 | 32.21 |
| 13090 | 88.55 | 294.39 | 128.9 | 78.46 | 62.42 |
| 24718 | 88.39 | 1006.92 | 83.71 | 747.2 | 171.68 |
| 17956 | 88.39 | 98.37 | 19.08 | 57.85 | 19.13 |
| 15839 | 88.33 | 522.05 | 93.62 | 332.64 | 85.14 |
| 17174 | 88.04 | 81.17 | 16.95 | 42.7 | 18.1 |
| 13091 | 88.04 | 412.29 | 144.18 | 155.89 | 76.91 |
| 20872 | 88.04 | 1041.39 | 189.89 | 762.02 | 262.79 |
| 18795 | 87.8 | 925.41 | 165.24 | 538.21 | 202.29 |
| 25702 | 87.69 | 704.91 | 97.09 | 493.38 | 176.74 |
| 19109 | 87.59 | 252.29 | 44.12 | 144.01 | 92.51 |
| 20864 | 87.56 | 920.37 | 294.55 | 466.96 | 379.06 |
| 14822 | 87.51 | 224.38 | 53.76 | 140.43 | 52.84 |
| 23192 | 87.48 | 447.31 | 91.68 | 215.89 | 83.24 |
| 14973 | 87.47 | 352.87 | 165.04 | 69.1 | 93.09 |
| 8426 | 87.38 | 59.92 | 15.24 | 37.22 | 20.69 |
| 20256 | 87.35 | 49.87 | 18.06 | 20.92 | 21.76 |
| 16182 | 87.32 | 71.14 | 19.73 | 36.3 | 17 |
| 17530 | 87.22 | 96.97 | 40.39 | 257.91 | 107.66 |
| 11138 | 87.11 | 375.5 | 74.18 | 231.31 | 111.86 |
| 4441 | 87.11 | 1056.88 | 96.17 | 849.4 | 218.54 |
| 25071 | 87.1 | 788.12 | 234.51 | 310.08 | 180.66 |
| 20600 | 87.06 | 169.83 | 75.26 | 600.61 | 332.49 |
| 563 | 87.06 | 867.78 | 185.68 | 1378.28 | 390.47 |
| 18582 | 87 | 375.89 | 55.97 | 231.07 | 71.28 |
| 17502 | 86.87 | 154.76 | 47.87 | 82.76 | 50.09 |
| 20998 | 86.76 | 691.22 | 190.72 | 1252.21 | 333.81 |
| 24771 | 86.66 | 726.23 | 155.97 | 1111 | 316.73 |
| 3902 | 86.65 | 212.25 | 49.14 | 127.34 | 39.19 |
| 16285 | 86.6 | 51.39 | 16.14 | 21.84 | 11.72 |
| 1867 | 86.57 | 921.57 | 146.81 | 627.71 | 163.29 |
| 4090 | 86.57 | 871.98 | 102.21 | 604.17 | 151.53 |
| 25039 | 86.55 | 514.51 | 175.16 | 979.57 | 310.7 |
| 4222 | 86.55 | 649.32 | 61.74 | 493.24 | 211.92 |
| 763 | 86.55 | 57.45 | 13.65 | 27.28 | 17.95 |
| 20601 | 86.55 | 351.5 | 152.17 | 974.6 | 456.91 |
| 16205 | 86.49 | 1510.63 | 228.6 | 1094.77 | 260.32 |
| 13520 | 86.44 | 227.09 | 44.64 | 109.61 | 87.22 |
| 17586 | 86.44 | 329.91 | 73.86 | 223.15 | 70.21 |
| 9620 | 86.44 | 710.72 | 110.06 | 531.44 | 111.24 |
| 18180 | 86.39 | 42.27 | 8.45 | 23.41 | 11.06 |
| 14353 | 86.36 | 46.85 | 5.35 | 37.25 | 21.8 |
| 15136 | 86.34 | 866.19 | 176.15 | 585.63 | 293.13 |
| 17123 | 86.33 | 166.01 | 29.38 | 108.16 | 36.38 |
| 12312 | 86.18 | 626.54 | 164.97 | 975.51 | 266.72 |
| 24628 | 86.17 | 324.07 | 43.17 | 229.71 | 51.23 |
| 17590 | 86.17 | 149.63 | 20.51 | 105.95 | 46.78 |
| 15654 | 86.14 | 550.7 | 120.95 | 322.51 | 146.66 |
| 5351 | 86.04 | 795.4 | 108.5 | 590.62 | 117.27 |

| TABLE 5KK: ESTRADIOL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 240 hrs | | Document No. 1935823.1 | | | |
| CLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18539 | 85.99 | 263.14 | 51.82 | 145.61 | 68.05 |
| 15838 | 85.98 | 278.55 | 39.3 | 195.67 | 39.04 |
| 20729 | 85.98 | 390.1 | 76.46 | 239.28 | 67.43 |
| 18573 | 85.91 | 190.93 | 33.19 | 132.68 | 33.63 |
| 9241 | 85.88 | 240.69 | 36.12 | 166.41 | 44.83 |
| 14925 | 85.82 | 575.36 | 129.28 | 321.05 | 101.88 |
| 23825 | 85.64 | 58.4 | 12.17 | 37.98 | 26.01 |

| TABLE 5LL: GEMFIBROZIL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23699 | 99.47 | 2609.83 | 358.43 | 633.02 | 272.51 |
| 23698 | 99.36 | 2915.36 | 526.82 | 345.13 | 361.61 |
| 1857 | 99.2 | 376.61 | 125.74 | 21.27 | 154.74 |
| 20714 | 99.18 | 3333.45 | 744.96 | 554.04 | 672.88 |
| 1858 | 99.18 | 580.52 | 188.9 | 21.98 | 177.26 |
| 6479 | 99.07 | 152.66 | 32.23 | 1048.4 | 390.92 |
| 16150 | 99.02 | 1942.74 | 276.34 | 663.03 | 261.15 |
| 18687 | 98.96 | 3559.7 | 515.91 | 646.64 | 550.87 |
| 18647 | 98.8 | 124.66 | 28.39 | 420.59 | 146.55 |
| 17705 | 98.78 | 37.24 | 7.02 | 131.68 | 38.38 |
| 16148 | 98.72 | 2519.41 | 339 | 1028.83 | 365.54 |
| 6431 | 98.7 | 30.31 | 10.04 | 187.79 | 238.15 |
| 18742 | 98.67 | 1239.1 | 300.55 | 340.77 | 176.5 |
| 17706 | 98.65 | 75.85 | 15.5 | 182.62 | 42.67 |
| 18686 | 98.62 | 3141.77 | 399.62 | 695.15 | 588.33 |
| 17686 | 98.57 | 1544.6 | 145.76 | 873.61 | 180.45 |
| 21355 | 98.51 | 1481.07 | 192.8 | 295.35 | 272.48 |
| 14131 | 98.41 | 238 | 85 | 33.36 | 29.94 |
| 6213 | 98.38 | 51.17 | 8.34 | 153.05 | 53.91 |
| 6366 | 98.35 | 112.39 | 14.11 | 276.3 | 104.32 |
| 18293 | 98.35 | 3270.42 | 548.89 | 1361.22 | 423.7 |
| 10308 | 98.33 | 616.18 | 139.67 | 1480.3 | 341.59 |
| 9885 | 98.33 | 45.36 | 11.59 | 297.91 | 110.56 |
| 3279 | 98.3 | 1409.57 | 180.37 | 695.28 | 186.92 |
| 11363 | 98.3 | 122.59 | 26.84 | 505.74 | 172.38 |
| 21288 | 98.27 | 652.52 | 59.96 | 410.11 | 142.95 |
| 22813 | 98.27 | 28.35 | 7.24 | 114.52 | 43.88 |
| 21354 | 98.22 | 2046.25 | 245.95 | 417 | 389.19 |
| 12094 | 98.19 | 10361.77 | 904.15 | 4813.41 | 1786.49 |
| 6477 | 98.17 | 938.37 | 123.68 | 2271.56 | 862.5 |
| 2316 | 98.14 | 29.01 | 9.84 | 131.45 | 52.33 |
| 20711 | 98.14 | 906.86 | 155.33 | 131.56 | 197.74 |
| 25501 | 98.11 | 23.71 | 12.36 | 202.44 | 115.91 |
| 24458 | 98.11 | 275.35 | 47.25 | 633.46 | 153.12 |
| 3581 | 98.11 | 576.77 | 63.08 | 309.21 | 74.14 |
| 2683 | 98.11 | 107.58 | 23.12 | 350.89 | 114.4 |
| 15740 | 98.11 | 209.22 | 35.17 | 980.35 | 339 |
| 22522 | 98.09 | 490.14 | 82.77 | 247.28 | 61 |
| 20715 | 98.09 | 2091.79 | 423.29 | 375.09 | 412.81 |
| 21832 | 98.09 | 580.54 | 288.43 | 2778.47 | 1003.27 |
| 20001 | 98.06 | 1577.58 | 169 | 949.56 | 194.85 |
| 17758 | 98.06 | 1713.59 | 355.87 | 356.13 | 362.28 |
| 4576 | 98.06 | 23.1 | 8.95 | 186.15 | 78.03 |
| 17770 | 98.01 | 222.81 | 24.69 | 574.98 | 219.89 |
| 8500 | 98.01 | 712.67 | 203.07 | 3270.19 | 1161.43 |
| 6066 | 97.98 | 67.81 | 16.14 | 284.38 | 127.76 |
| 22947 | 97.98 | 88.95 | 24.24 | 298.36 | 78.27 |
| 16131 | 97.95 | 497.97 | 110.75 | 2040.39 | 930.01 |
| 18644 | 97.93 | 588.78 | 172.34 | 2185.59 | 805.18 |
| 760 | 97.9 | 139.13 | 42.17 | 792.84 | 407.71 |
| 17142 | 97.9 | 124.27 | 49.45 | 681.38 | 310.59 |

| TABLE 5LL: GEMFIBROZIL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|------------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDAf_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3860 | 97.87 | 997.95 | 183.24 | 391.48 | 155.68 |
| 22283 | 97.79 | 96.8 | 41.39 | 471.15 | 173.93 |
| 19373 | 97.77 | 177.67 | 73.31 | 1035.66 | 514.42 |
| 19586 | 97.74 | 946.91 | 106.76 | 556.6 | 117.71 |
| 21164 | 97.74 | 805.05 | 90.04 | 361.52 | 163.18 |
| 7714 | 97.72 | 68.49 | 7.09 | 143.46 | 36.74 |
| 6192 | 97.72 | 1251.06 | 236.53 | 551.05 | 175.62 |
| 20915 | 97.69 | 2045.65 | 453.59 | 527.41 | 348.7 |
| 19438 | 97.69 | 35.93 | 14.8 | 328.05 | 189.26 |
| 17824 | 97.66 | 52.42 | 21.84 | 187.15 | 61.4 |
| 9268 | 97.66 | 331.13 | 45.71 | 158.68 | 60.5 |
| 6193 | 97.66 | 413.14 | 71.06 | 198.5 | 50.12 |
| 15224 | 97.64 | 1240.35 | 83.54 | 801.51 | 216.72 |
| 6380 | 97.61 | 3541.78 | 631.52 | 1755.04 | 550.24 |
| 20 | 97.61 | 90.58 | 28.62 | 348.58 | 136.56 |
| 5749 | 97.61 | 49.59 | 13.62 | 198.26 | 85.05 |
| 12956 | 97.58 | 98.86 | 22 | 249.31 | 74.91 |
| 4280 | 97.58 | 524.37 | 179.03 | 1560.46 | 493.62 |
| 6962 | 97.58 | 106.39 | 26.66 | 361.91 | 136.26 |
| 17471 | 97.58 | 73.36 | 29.67 | 420.33 | 187.76 |
| 6291 | 97.56 | 495.72 | 53.94 | 984.83 | 240.12 |
| 5622 | 97.53 | 874.58 | 88.99 | 1599.28 | 374.49 |
| 2416 | 97.53 | 193.16 | 29.71 | 477.18 | 137.96 |
| 6654 | 97.45 | 68.24 | 23.35 | 205.8 | 72.58 |
| 16180 | 97.45 | 180.56 | 32.1 | 449.02 | 131.47 |
| 4272 | 97.45 | 215.89 | 46.18 | 33.14 | 74.42 |
| 8303 | 97.45 | 20.93 | 13.06 | 151.11 | 62.89 |
| 11954 | 97.4 | 2891.64 | 258.22 | 1700.56 | 477.66 |
| 20880 | 97.4 | 62.36 | 13.62 | 412.95 | 201.07 |
| 15030 | 97.34 | 48.22 | 9.65 | 125.97 | 37.44 |
| 4199 | 97.32 | 477.77 | 42.96 | 894.41 | 203.85 |
| 11738 | 97.21 | 132.1 | 20.15 | 264.22 | 67.48 |
| 5091 | 97.21 | 71.09 | 19.58 | 272.18 | 116.48 |
| 17654 | 97.21 | 38.23 | 27.86 | 359.5 | 164.14 |
| 15601 | 97.18 | 567.4 | 74.34 | 310.4 | 80.03 |
| 16703 | 97.16 | 2170.62 | 244.48 | 1163.94 | 379.03 |
| 17517 | 97.13 | 167.95 | 19.43 | 335.52 | 99.54 |
| 18867 | 97.13 | 322.35 | 64.98 | 828.56 | 220.75 |
| 20554 | 97.1 | 663.41 | 112.63 | 261.55 | 134.75 |
| 5111 | 97.08 | 39.51 | 22.54 | 237.42 | 135.71 |
| 21821 | 97.05 | 94.17 | 39.59 | 281.87 | 87.79 |
| 22797 | 97.05 | 1494.04 | 200.86 | 810.78 | 206.96 |
| 15202 | 97.02 | 1444.58 | 206.87 | 651.51 | 552.88 |
| 13420 | 97.02 | 186.46 | 30.45 | 380.28 | 98.86 |
| 24213 | 97 | 735.11 | 214.52 | 1507.61 | 592.87 |
| 21752 | 97 | 318.51 | 35.07 | 183.57 | 46.97 |
| 20889 | 96.97 | 33.85 | 19.35 | 156.82 | 73.55 |
| 11138 | 96.97 | 57.05 | 16.65 | 233.61 | 111.99 |
| 21659 | 96.94 | 144.76 | 30.42 | 386.78 | 150.03 |
| 13005 | 96.81 | 98.51 | 17.38 | 252.06 | 87.09 |
| 18001 | 96.81 | 293.31 | 50.76 | 719.36 | 178.53 |

| TABLE 5LL: GEMFIBROZIL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7872 | 96.71 | 128.52 | 24.49 | 294.71 | 81.67 |
| 1466 | 96.68 | 374.22 | 66.04 | 841.48 | 263.89 |
| 16912 | 96.63 | 148.07 | 21.35 | 303.76 | 78.52 |
| 3880 | 96.55 | 32.82 | 2.63 | 67.97 | 23.66 |
| 18981 | 96.44 | 50.64 | 13.94 | 166.95 | 132.72 |
| 25070 | 96.33 | 871.92 | 105.9 | 498.27 | 126.94 |
| 13882 | 96.31 | 136.53 | 42.71 | 421.66 | 144.96 |
| 21909 | 96.23 | 69.72 | 9.68 | 155 | 58.79 |
| 20765 | 96.23 | 22.18 | 6.6 | 70.2 | 25.36 |
| 25134 | 96.2 | 100.67 | 36.55 | 500.71 | 280.37 |
| 16725 | 96.09 | 87.76 | 8.91 | 162.37 | 46.07 |
| 18725 | 95.99 | 78.35 | 14.03 | 215.4 | 84.88 |
| 8106 | 95.99 | 35.1 | 7.44 | 79.42 | 23.97 |
| 6653 | 95.96 | 310.16 | 41.91 | 602.59 | 143.49 |
| 11953 | 95.96 | 1068.87 | 167.4 | 628.58 | 233.01 |
| 20789 | 95.91 | 250.72 | 52.22 | 674.77 | 227.31 |
| 20466 | 95.88 | 176.1 | 29.12 | 428.38 | 148.16 |
| 20726 | 95.83 | 99.63 | 21.07 | 258.92 | 84.81 |
| 1283 | 95.8 | 21.52 | 8.87 | 102.81 | 52.28 |
| 25084 | 95.72 | 39.93 | 13.12 | 141.49 | 54.2 |
| 24648 | 95.7 | 38.76 | 9.01 | 93.21 | 28.44 |
| 18358 | 95.7 | 592.73 | 36.05 | 400.44 | 91.13 |
| 18509 | 95.62 | 383.55 | 22.31 | 270.05 | 58.08 |
| 10267 | 95.62 | 3645.08 | 223.59 | 2171.02 | 762.06 |
| 2150 | 95.56 | 486.52 | 42.22 | 783.94 | 162.64 |
| 19730 | 95.56 | 68.67 | 27.64 | 315.02 | 151.12 |
| 11956 | 95.46 | 2742.37 | 430.4 | 1605.76 | 480.94 |
| 10260 | 95.43 | 67.59 | 26.05 | 202.12 | 82.24 |
| 1069 | 95.43 | 2578.11 | 424.64 | 1606.24 | 387.55 |
| 11152 | 95.4 | 98.76 | 25.35 | 334.96 | 142.03 |
| 240 | 95.22 | 46.31 | 9.97 | 114.91 | 41.62 |
| 21980 | 95.03 | 270.57 | 36.92 | 507.39 | 162.31 |
| 5616 | 95.01 | 740.28 | 61.66 | 1258.15 | 379.21 |
| 17516 | 94.79 | 378.53 | 35.86 | 249.5 | 78.84 |
| 17176 | 94.79 | 2862.29 | 375.01 | 1484.97 | 627.22 |
| 20983 | 94.77 | 1627.62 | 237.04 | 994.3 | 289.31 |
| 18450 | 94.77 | 702.82 | 44.25 | 495.33 | 106.9 |
| 2667 | 94.74 | 496.96 | 57.78 | 809.87 | 200.28 |
| 16546 | 94.74 | 382.84 | 53.43 | 190.88 | 86.52 |
| 48 | 94.66 | 345.05 | 56.86 | 670.2 | 189.75 |
| 8182 | 94.66 | 876.38 | 108.47 | 1457.62 | 334.5 |
| 17811 | 94.63 | 20.32 | 5.99 | 68.85 | 30.5 |
| 11935 | 94.61 | 38.07 | 8.31 | 93.38 | 35.83 |
| 23574 | 94.61 | 2344.61 | 223.97 | 1508.07 | 411.39 |
| 14696 | 94.58 | 919.44 | 102.37 | 619.32 | 132.6 |
| 20713 | 94.55 | 2026.55 | 425.01 | 711.93 | 512.37 |
| 18899 | 94.53 | 20.34 | 5.18 | 45.89 | 13.35 |
| 25250 | 94.5 | 1111.89 | 78.71 | 800.58 | 165.91 |
| 22603 | 94.47 | 502.8 | 84.97 | 260.11 | 109.87 |
| 23576 | 94.39 | 1870.1 | 83.89 | 1333.43 | 312.24 |
| 22918 | 94.34 | 88.88 | 30.44 | 35.75 | 35.23 |

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| TABLE 5LL: GEMFIBROZIL | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935823.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20925 | 94.31 | 1630.61 | 481.84 | 413.35 | 432.2 |
| 17431 | 94.18 | 67.68 | 23.76 | 164.26 | 59.49 |

| TABLE 5MM: HYDRAZINE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 3, 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23710 | 99.44 | 426.99 | 158.47 | 39.74 | 127.2 |
| 23711 | 99.12 | 1638.85 | 605.56 | 175.11 | 252.99 |
| 18383 | 98.96 | 1708.97 | 388.87 | 745.76 | 148.48 |
| 24799 | 98.96 | 1195.6 | 333.09 | 301.34 | 104.38 |
| 22204 | 98.88 | 738.56 | 369.62 | 102.92 | 76.96 |
| 24800 | 98.78 | 461.64 | 85.12 | 137.87 | 62.98 |
| 21043 | 98.54 | 464.68 | 225.48 | 71.55 | 45.75 |
| 5339 | 98.22 | 1793.4 | 478.09 | 496.04 | 253.26 |
| 25805 | 98.01 | 132.61 | 31.16 | 50.71 | 18.07 |
| 25567 | 97.66 | 545.53 | 171.91 | 142.84 | 138.08 |
| 20744 | 96.92 | 1141.12 | 158.4 | 343.95 | 298.59 |
| 11136 | 96.17 | 631.45 | 96.47 | 314.65 | 116.78 |
| 6044 | 96.07 | 1316.46 | 200.37 | 751.26 | 207.08 |
| 4355 | 95.51 | 133.56 | 78.66 | 408.05 | 114.28 |
| 17461 | 95.43 | 2844.1 | 440.98 | 1402.43 | 543.42 |
| 3917 | 95.43 | 2920.63 | 643.23 | 1576.49 | 500 |
| 15080 | 95.37 | 316.04 | 55.21 | 620.44 | 150.65 |
| 7426 | 95.24 | 477.73 | 89.2 | 292.87 | 74.23 |
| 3944 | 95.22 | 198.86 | 23.52 | 380.78 | 282.11 |
| 23260 | 95.06 | 125.82 | 46.12 | 20.66 | 49.17 |
| 23709 | 94.76 | 1101.41 | 241.84 | 172.11 | 240.14 |
| 7416 | 94.74 | 819.53 | 98.21 | 1176.85 | 224.36 |
| 24251 | 94.34 | 1038.37 | 755.99 | 86.17 | 107.9 |
| 24798 | 94.31 | 1518.71 | 252.85 | 565.68 | 185.28 |
| 22311 | 94.28 | 511.57 | 285.28 | 179.32 | 61.1 |
| 3498 | 94.07 | 300.42 | 102.94 | 73.75 | 48.71 |
| 24797 | 94.07 | 515.62 | 308.75 | 64.38 | 43.43 |
| 957 | 93.97 | 264.22 | 94.11 | 94.59 | 44.99 |
| 21042 | 93.91 | 305.23 | 110.33 | 53.99 | 33.18 |
| 15841 | 93.83 | 199.05 | 70.49 | 58.42 | 27.28 |
| 4155 | 93.81 | 249.66 | 152.06 | 27.55 | 32.84 |
| 24803 | 93.81 | 3007.25 | 749.04 | 955.38 | 309.22 |
| 2789 | 93.78 | 317.62 | 114.62 | 74.43 | 42.55 |
| 3145 | 93.67 | 297.63 | 84.46 | 649.4 | 207.49 |
| 24801 | 93.57 | 1207.19 | 290.56 | 446.91 | 135.33 |
| 7642 | 93.54 | 67.34 | 17.76 | 122.77 | 35.28 |
| 11314 | 93.51 | 257.97 | 67.63 | 98.13 | 28.06 |
| 2342 | 93.41 | 401.37 | 137.42 | 134.67 | 55.66 |
| 4154 | 93.41 | 555.97 | 278.15 | 84.83 | 71.73 |
| 956 | 93.38 | 720.99 | 156.39 | 298.87 | 124.24 |
| 4725 | 93.3 | 579.8 | 359.59 | 21.53 | 107.74 |
| 2486 | 93.22 | 249.93 | 52.97 | 520.51 | 164.41 |
| 6988 | 93.2 | 2406.98 | 1034.92 | 410.58 | 325.25 |
| 21709 | 93.17 | 357.59 | 73.41 | 192.65 | 45.44 |
| 357 | 93.12 | 231.23 | 115.1 | 73.5 | 31.36 |
| 1597 | 93.12 | 609.69 | 268.54 | 115.4 | 119.12 |
| 6697 | 93.06 | 178.7 | 37.6 | 75.11 | 28.96 |
| 355 | 93.06 | 212.6 | 98.49 | 64.16 | 36.13 |
| 4731 | 93.04 | 254.16 | 159.28 | 53.52 | 76.17 |
| 6295 | 92.96 | 2644.86 | 728.83 | 1083.65 | 420 |
| 3435 | 92.93 | 184.96 | 25.05 | 287.41 | 58.82 |

| TABLE 5MM: HYDRAZINE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12825 | 92.88 | 413.85 | 151.26 | 143.86 | 52.1 |
| 21951 | 92.85 | 235.98 | 51.62 | 104.25 | 32.95 |
| 13686 | 92.85 | 103.07 | 42.55 | 43.59 | 16.51 |
| 13785 | 92.85 | 91.31 | 36.25 | 28.32 | 17.53 |
| 21063 | 92.85 | 136.54 | 43.55 | 45.61 | 21.99 |
| 14997 | 92.82 | 813.66 | 304.23 | 286.03 | 274.33 |
| 17908 | 92.8 | 341.3 | 138.37 | 71.19 | 114.56 |
| 20943 | 92.77 | 504.3 | 179.19 | 266.22 | 58.79 |
| 11992 | 92.77 | 67.46 | 16.69 | 29.71 | 12.57 |
| 2040 | 92.74 | 774.24 | 317.67 | 220.97 | 113.13 |
| 4789 | 92.74 | 254.77 | 78.25 | 69.47 | 41 |
| 5953 | 92.74 | 1015.17 | 452.24 | 182.21 | 219.21 |
| 17380 | 92.72 | 501.31 | 97.98 | 259.51 | 56.66 |
| 15642 | 92.64 | 808.95 | 240.2 | 374.02 | 156.59 |
| 4879 | 92.5 | 43.62 | 17.28 | 129.37 | 58.19 |
| 12306 | 92.5 | 2687.68 | 503.28 | 1137.44 | 517.33 |
| 13838 | 92.5 | 305.8 | 60.31 | 157.62 | 44.52 |
| 3418 | 92.42 | 529.23 | 125.97 | 288.59 | 78 |
| 18783 | 92.34 | 799.23 | 207.78 | 388.28 | 110.02 |
| 7745 | 92.32 | 303.03 | 102.02 | 126.97 | 55.6 |
| 3885 | 92.26 | 557.57 | 199.34 | 208.63 | 88.95 |
| 8728 | 92.26 | 208.46 | 62.82 | 83.42 | 35.75 |
| 1261 | 92.24 | 233.6 | 72.24 | 90.59 | 42.72 |
| 22906 | 92.24 | 1786.46 | 657.16 | 555.14 | 414.33 |
| 24778 | 92.21 | 1059.35 | 415.5 | 106.33 | 248.96 |
| 13446 | 92.19 | 143.37 | 61.44 | 33.71 | 35.39 |
| 1547 | 92.16 | 165.73 | 44.72 | 72.18 | 26.43 |
| 12119 | 92.08 | 360.14 | 104.12 | 138.92 | 67.02 |
| 10018 | 92.08 | 446.94 | 151.08 | 201.19 | 91.27 |
| 22545 | 91.97 | 609.53 | 157.46 | 241.55 | 110.06 |
| 8634 | 91.97 | 294.7 | 88.11 | 115.8 | 60.8 |
| 11997 | 91.95 | 481.41 | 141.93 | 198.28 | 83.2 |
| 4670 | 91.95 | 1831.85 | 620.15 | 481.05 | 417.75 |
| 15173 | 91.81 | 785.73 | 283.53 | 350.8 | 158.06 |
| 22187 | 91.79 | 489.34 | 68.52 | 924.01 | 380.14 |
| 1262 | 91.79 | 137.48 | 48.83 | 48.4 | 30.03 |
| 25682 | 91.73 | 71.76 | 23.47 | 31.87 | 18.4 |
| 6135 | 91.71 | 60.23 | 28.77 | 167.14 | 63.23 |
| 11533 | 91.55 | 146.33 | 72.7 | 22.77 | 54.12 |
| 22835 | 91.55 | 606.59 | 168.59 | 329.6 | 87.98 |
| 21757 | 91.49 | 139.6 | 29.05 | 57.08 | 32.39 |
| 19086 | 91.44 | 307.02 | 105.81 | 121.33 | 68.32 |
| 18727 | 91.41 | 1422.51 | 224.04 | 760.02 | 380.58 |
| 3961 | 91.39 | 114.72 | 26.66 | 56.91 | 23.54 |
| 12965 | 91.39 | 163.31 | 40.52 | 65.42 | 44.71 |
| 5989 | 91.31 | 352.05 | 40.06 | 207.94 | 64.14 |
| 17753 | 91.28 | 318.47 | 66.17 | 178.84 | 58.86 |
| 12000 | 91.25 | 733.3 | 182.64 | 313.58 | 160.02 |
| 21238 | 91.2 | 264.41 | 107.68 | 78.93 | 76.74 |
| 21864 | 91.02 | 53.11 | 15.17 | 23.33 | 12.17 |
| 15832 | 91.02 | 147.96 | 26.99 | 93.63 | 36.79 |

| TABLE 5MM: HYDRAZINE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6, 24 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17379 | 90.88 | 329.17 | 96.81 | 117.22 | 69.28 |
| 15011 | 90.88 | 155.88 | 46.39 | 82.42 | 32.9 |
| 11137 | 90.75 | 791.65 | 145.34 | 412.17 | 156.26 |
| 21062 | 90.14 | 82.55 | 21.3 | 24.77 | 77.95 |
| 15872 | 90.11 | 910.15 | 170.07 | 496.35 | 167.4 |
| 24779 | 89.87 | 1128.09 | 336.53 | 217.04 | 431.31 |
| 21097 | 89.87 | 1420.72 | 240.02 | 921.49 | 391.32 |
| 11998 | 89.85 | 84.46 | 30.21 | 30.83 | 23.8 |
| 18795 | 89.79 | 986.47 | 184.83 | 539.29 | 202.72 |
| 8182 | 89.74 | 1203.09 | 47.91 | 1456.02 | 336.76 |
| 24264 | 89.66 | 134.26 | 38.26 | 53.05 | 39.71 |
| 958 | 89.58 | 807.4 | 316.04 | 296.8 | 130.18 |
| 16163 | 89.55 | 648.04 | 88.56 | 458.64 | 164.64 |
| 13682 | 89.15 | 288.54 | 74.18 | 153.7 | 61.35 |
| 3430 | 88.84 | 690.29 | 198.65 | 233.82 | 132.92 |
| 18702 | 88.81 | 164.57 | 74.52 | 58.66 | 22.27 |
| 15371 | 88.78 | 399.55 | 39.17 | 276.85 | 80.39 |
| 25608 | 88.76 | 101.93 | 59.54 | 26.16 | 15.79 |
| 7947 | 88.46 | 131.98 | 31.57 | 80.52 | 36.3 |
| 22282 | 88.44 | 147.9 | 29.13 | 93.96 | 29.46 |
| 15292 | 88.38 | 358.65 | 103.05 | 161.56 | 63.44 |
| 1549 | 88.38 | 410.81 | 141.11 | 184.09 | 57.88 |
| 25321 | 88.2 | 798.05 | 338.01 | 64.55 | 167.83 |
| 1920 | 88.17 | 790.83 | 133.55 | 440.27 | 270.56 |
| 1818 | 88.14 | 1238.63 | 134.19 | 2116.18 | 830.64 |
| 18728 | 88.04 | 141.59 | 26.39 | 98.85 | 24.21 |
| 16982 | 87.99 | 987.99 | 320.68 | 332.79 | 475.14 |
| 40 | 87.85 | 124.51 | 70.07 | 364.67 | 185.93 |
| 15313 | 87.8 | 99.62 | 50.66 | 27.35 | 36.67 |
| 14465 | 87.64 | 108.1 | 89.05 | 52.01 | 35.18 |
| 15621 | 87.53 | 663.06 | 152.66 | 368.33 | 86.66 |
| 1959 | 87.45 | 1193.48 | 118.42 | 2992.83 | 1816.78 |
| 14822 | 87.37 | 293.24 | 88.39 | 140.34 | 51.94 |
| 111 | 87.29 | 1115.66 | 277.57 | 3169.68 | 2035.12 |
| 21707 | 87.27 | 154.97 | 77.69 | 40.63 | 51.97 |
| 2010 | 87.24 | 1441.28 | 152.66 | 2692.81 | 1261.9 |
| 4234 | 87.21 | 1161.14 | 205.78 | 613.08 | 296.43 |
| 22314 | 87.13 | 300.82 | 75.74 | 141.88 | 48.44 |
| 5545 | 87.11 | 792.71 | 164.59 | 1493.88 | 573.16 |
| 3831 | 87.08 | 58.81 | 13.55 | 34.3 | 24.63 |
| 13930 | 87.03 | 252.18 | 77.11 | 147.06 | 105.72 |
| 14632 | 87.03 | 1014.2 | 130.21 | 1528.57 | 1137.28 |
| 23544 | 87 | 1094.48 | 73.24 | 1407.07 | 333.8 |
| 4010 | 86.98 | 1382.63 | 273.1 | 3098.05 | 2058.69 |
| 15683 | 86.87 | 121.35 | 56.18 | 38.42 | 29.66 |
| 6477 | 86.84 | 1694.29 | 106.3 | 2267.84 | 867.07 |
| 8210 | 86.84 | 338.41 | 120.93 | 125.65 | 85.94 |
| 108 | 86.76 | 1105.33 | 125.21 | 2181.99 | 1123.63 |
| 16942 | 86.76 | 886.77 | 126.9 | 1437.03 | 498.61 |
| 21239 | 86.74 | 765.8 | 261.3 | 322.09 | 178.98 |
| 19085 | 86.68 | 210.93 | 69.97 | 86.09 | 45.38 |

| TABLE 5MM: HYDRAZINE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1798 | 86.68 | 1484.39 | 174.76 | 2804.34 | 1336.11 |
| 23491 | 86.66 | 67.14 | 20.87 | 140.44 | 66.74 |
| 22860 | 86.63 | 118.74 | 38.34 | 54.3 | 23.7 |
| 8211 | 86.52 | 1188.67 | 125.17 | 2378.65 | 1113.31 |
| 1853 | 86.52 | 1338.93 | 193.22 | 2982.14 | 1637.61 |
| 2968 | 86.44 | 1151.48 | 133.67 | 2449.68 | 1262.65 |
| 4012 | 86.44 | 1414 | 214.2 | 2443.23 | 1160.81 |
| 17306 | 86.36 | 1382.22 | 224.07 | 2606.3 | 1273.84 |
| 14981 | 86.34 | 1141.57 | 161.43 | 3446.36 | 2312.72 |

| TABLE 5NN: INDOMETHACIN | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20864 | 99.76 | 22.07 | 8.1 | 473.18 | 380.52 |
| 17500 | 99.76 | 174.03 | 33.42 | 28.03 | 42.3 |
| 15503 | 99.71 | 707.2 | 157.43 | 61.75 | 41.85 |
| 635 | 99.55 | 356.02 | 104.81 | 1579.4 | 481.32 |
| 17281 | 99.55 | 77.18 | 25.65 | 630.46 | 189.09 |
| 5687 | 99.52 | 45.22 | 12.45 | 224.58 | 66.95 |
| 25525 | 99.5 | 291.2 | 107.36 | 1352.98 | 361.99 |
| 15504 | 99.47 | 863.83 | 283.47 | 41.6 | 61.95 |
| 21414 | 99.42 | 1352.84 | 131.93 | 114.58 | 156.26 |
| 634 | 99.39 | 432.57 | 121.45 | 1538.18 | 416.47 |
| 22514 | 99.39 | 744.68 | 197.84 | 50.41 | 64.45 |
| 6431 | 99.39 | 1733.91 | 415.59 | 180.39 | 214.32 |
| 2088 | 99.34 | 174.83 | 69.74 | 34.94 | 23.17 |
| 16366 | 99.34 | 93.95 | 42.5 | 800.53 | 302.18 |
| 6200 | 99.34 | 1517.47 | 437.52 | 67.7 | 98.35 |
| 2012 | 99.34 | 433.93 | 109.02 | 64.15 | 36.03 |
| 14504 | 99.34 | 1218.06 | 151.51 | 139.14 | 164.06 |
| 16367 | 99.31 | 164.6 | 117.46 | 1422.75 | 539.55 |
| 19469 | 99.31 | 149.18 | 32.53 | 478.15 | 112.46 |
| 19444 | 99.31 | 562.59 | 270.42 | 35.95 | 70.52 |
| 22512 | 99.28 | 660.51 | 290.11 | 28.4 | 42.93 |
| 2013 | 99.28 | 186.78 | 42.25 | 22.86 | 21.27 |
| 22522 | 99.23 | 81.82 | 24.3 | 249.27 | 62.78 |
| 4892 | 99.2 | 2302.4 | 1160.31 | 132.97 | 256.35 |
| 23005 | 99.2 | 620.21 | 76.08 | 122.59 | 80.13 |
| 14081 | 99.2 | 1288.65 | 640.74 | 38.65 | 86.88 |
| 6541 | 99.18 | 412.63 | 39.8 | 215.12 | 104.04 |
| 6143 | 99.18 | 122.62 | 42.4 | 823.43 | 449.41 |
| 15207 | 99.18 | 303.17 | 40.71 | 74.03 | 39.9 |
| 1893 | 99.18 | 266.77 | 71.14 | 31.12 | 27.82 |
| 8317 | 99.18 | 110.89 | 21.93 | 637.6 | 220.45 |
| 9583 | 99.15 | 416.77 | 51.01 | 60.09 | 97.66 |
| 15029 | 99.15 | 176.23 | 42 | 1588.92 | 516.45 |
| 8273 | 99.15 | 388.63 | 151.29 | 42.51 | 25.01 |
| 21285 | 99.12 | 1018.03 | 350.87 | 98.52 | 156.99 |
| 4933 | 99.1 | 418.95 | 103.33 | 2049.11 | 736.07 |
| 24589 | 99.07 | 529 | 248.49 | 54.24 | 44.27 |
| 155 | 99.07 | 180.93 | 33.27 | 41.29 | 25.2 |
| 18580 | 99.07 | 1267.38 | 310.49 | 221.92 | 126.09 |
| 3121 | 99.02 | 171.84 | 59.51 | 821.21 | 247.16 |
| 12606 | 98.99 | 161.66 | 41.16 | 742.66 | 237.27 |
| 18890 | 98.96 | 162.68 | 53.68 | 752.65 | 355.55 |
| 17369 | 98.96 | 430.65 | 73.83 | 119.15 | 44.67 |
| 4011 | 98.94 | 509.46 | 121.38 | 1823.51 | 676.9 |
| 14330 | 98.94 | 942.7 | 237.45 | 236 | 118.54 |
| 7384 | 98.91 | 1780.22 | 300.89 | 686.94 | 245.66 |
| 13361 | 98.91 | 349.1 | 47.62 | 182.6 | 37.74 |
| 15116 | 98.91 | 257.21 | 62.72 | 85.81 | 27.62 |
| 14185 | 98.91 | 1185.42 | 257.99 | 313.52 | 177.82 |
| 11426 | 98.91 | 350.88 | 45.99 | 121.21 | 51.34 |
| 15872 | 98.91 | 98.44 | 36.44 | 500.46 | 168.63 |

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| TABLE 5NN: INDOMETHACIN | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7743 | 98.91 | 345.67 | 60.84 | 110.57 | 52.5 |
| 24237 | 98.91 | 912.03 | 228.83 | 184.87 | 96.96 |
| 14840 | 98.89 | 236.7 | 44.89 | 72.02 | 37.34 |
| 9124 | 98.86 | 793.91 | 57.23 | 375.63 | 97.89 |
| 17684 | 98.86 | 92.04 | 17.94 | 322.08 | 87.9 |
| 10984 | 98.86 | 129.88 | 64.62 | 1060.09 | 302.49 |
| 12551 | 98.86 | 50.4 | 10.88 | 233.66 | 77.71 |
| 17541 | 98.83 | 448.67 | 101.47 | 1635.58 | 637.34 |
| 22690 | 98.83 | 97.78 | 59.37 | 653.38 | 276.46 |
| 14881 | 98.83 | 415.82 | 120.83 | 1707.93 | 632.16 |
| 556 | 98.83 | 326.23 | 26.19 | 669.91 | 127.65 |
| 9079 | 98.83 | 788.75 | 135.81 | 310.96 | 88.92 |
| 4636 | 98.83 | 435.3 | 83.64 | 73.38 | 124.83 |
| 23321 | 98.83 | 70.84 | 11.27 | 238.71 | 64.44 |
| 16993 | 98.83 | 181.67 | 44.16 | 1061.5 | 291.65 |
| 20529 | 98.83 | 1248.68 | 268.72 | 127.3 | 176.94 |
| 20816 | 98.81 | 771.64 | 143.25 | 245.66 | 388.61 |
| 17499 | 98.81 | 148.93 | 29.77 | 25.73 | 89.53 |
| 13332 | 98.81 | 55.78 | 8.2 | 229.78 | 83.4 |
| 14600 | 98.81 | 535.82 | 168.97 | 115.13 | 47.39 |
| 373 | 98.78 | 95.13 | 34.96 | 475.37 | 164.19 |
| 6189 | 98.78 | 180.55 | 93.95 | 3941.06 | 2199.2 |
| 22897 | 98.75 | 171.35 | 48.54 | 42.52 | 23.63 |
| 43 | 98.75 | 142.99 | 32.74 | 436.41 | 130.66 |
| 5421 | 98.75 | 521.6 | 96.83 | 200.28 | 71.9 |
| 21014 | 98.75 | 187.37 | 72.97 | 1046.08 | 348.11 |
| 2320 | 98.75 | 57.11 | 20.6 | 305.95 | 108.38 |
| 4914 | 98.75 | 72.31 | 29.34 | 482.29 | 149.47 |
| 15888 | 98.73 | 393.33 | 60.16 | 165.93 | 140.34 |
| 3744 | 98.73 | 515.5 | 85.21 | 189.2 | 149.68 |
| 21947 | 98.73 | 132.87 | 26.87 | 396.84 | 97.07 |
| 3112 | 98.7 | 476.11 | 98.4 | 199.28 | 62.44 |
| 15517 | 98.7 | 115.84 | 32.38 | 32.43 | 15.57 |
| 10055 | 98.65 | 94.7 | 9.27 | 34.76 | 28.72 |
| 19121 | 98.65 | 130.93 | 38.98 | 24.05 | 21.62 |
| 19004 | 98.65 | 454.67 | 78.8 | 147.74 | 65.62 |
| 21074 | 98.65 | 920.52 | 66.01 | 445.27 | 138.25 |
| 6366 | 98.65 | 796.93 | 120.52 | 273.22 | 98.99 |
| 699 | 98.65 | 1188.89 | 92.19 | 609.29 | 154.22 |
| 1995 | 98.62 | 114.72 | 164.94 | 1945.29 | 964.02 |
| 4026 | 98.62 | 925.46 | 134.15 | 371.92 | 127.61 |
| 2484 | 98.59 | 21.07 | 11.5 | 357.2 | 222.64 |
| 12277 | 98.59 | 238.39 | 55.81 | 32.61 | 39.1 |
| 13523 | 98.59 | 542.26 | 77.21 | 251.51 | 74.05 |
| 6532 | 98.59 | 312.02 | 38.89 | 140.36 | 42.5 |
| 2555 | 98.59 | 543.06 | 103.8 | 125.65 | 84.95 |
| 20523 | 98.59 | 397.31 | 131.77 | 47.75 | 64.63 |
| 20869 | 98.57 | 255.12 | 72.98 | 59.6 | 47.42 |
| 21443 | 98.57 | 805.71 | 152.23 | 325.49 | 85.92 |
| 16809 | 98.57 | 165.52 | 38.18 | 29.27 | 24.29 |
| 18453 | 98.57 | 84.64 | 17.34 | 644.76 | 264.64 |

| TABLE 5NN: INDOMETHACIN | | | | | |
|--------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | | Attorney Docket 44921-5038-01-WO | | |
| GLGC | | | Document No. 1935828.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5175 | 98.54 | 223.53 | 69.32 | 40.02 | 63.42 |
| 22515 | 98.54 | 1444.32 | 389.76 | 124.13 | 387.74 |
| 20354 | 98.51 | 371.97 | 55.85 | 51.01 | 55.74 |
| 1827 | 98.49 | 72.31 | 10.06 | 20.56 | 18.93 |
| 20868 | 98.49 | 189.92 | 59.99 | 41.52 | 34.83 |
| 19411 | 98.49 | 178.07 | 42.51 | 33.37 | 19.72 |
| 15185 | 98.49 | 218.02 | 62.85 | 60.41 | 100.75 |
| 17693 | 98.46 | 55.17 | 11.57 | 211.14 | 128.01 |
| 9842 | 98.46 | 640.71 | 77.24 | 1606.87 | 410.98 |
| 10015 | 98.43 | 319.83 | 48.32 | 138.08 | 50.73 |
| 17257 | 98.43 | 191.55 | 56.09 | 40.38 | 31.83 |
| 2005 | 98.43 | 86.81 | 18.58 | 20.19 | 12.65 |
| 4439 | 98.43 | 582.49 | 135.61 | 221.08 | 57.4 |
| 2505 | 98.41 | 162.62 | 66.27 | 755.53 | 189.25 |
| 10071 | 98.38 | 58.58 | 6.19 | 30.71 | 24.21 |
| 17377 | 98.38 | 247.39 | 32.73 | 73.21 | 49.04 |
| 8597 | 98.35 | 250.46 | 49.87 | 102.41 | 31.77 |
| 20783 | 98.35 | 236.5 | 77.37 | 51.51 | 38.96 |
| 10016 | 98.33 | 271.85 | 40.63 | 91.73 | 47.86 |
| 1221 | 98.33 | 792.81 | 211.28 | 29.91 | 112.09 |
| 16048 | 98.33 | 376.11 | 63.21 | 172.15 | 51.53 |
| 7427 | 98.33 | 154.07 | 30.86 | 32.24 | 29.86 |
| 9223 | 98.3 | 328.74 | 141.18 | 88.51 | 39.55 |
| 1572 | 98.3 | 163.83 | 15.75 | 72.94 | 32.13 |
| 14003 | 98.3 | 31.78 | 9.08 | 157.09 | 102.34 |
| 18038 | 98.3 | 64.36 | 15.87 | 249.99 | 90.04 |
| 17258 | 98.27 | 247.13 | 55.44 | 104.88 | 31.2 |
| 12797 | 98.27 | 78.98 | 28.38 | 20.5 | 12.63 |
| 24219 | 98.22 | 1060.73 | 108.75 | 377.99 | 183.97 |
| 16519 | 98.22 | 1274.29 | 222.32 | 366.94 | 216.58 |
| 17382 | 98.22 | 131.83 | 14.87 | 274.82 | 87.76 |
| 17480 | 98.22 | 163.32 | 52.34 | 68.15 | 33.41 |
| 16416 | 98.2 | 271.85 | 91.29 | 108.09 | 60.15 |
| 1700 | 98.17 | 301.86 | 72.09 | 83.5 | 41.83 |
| 21012 | 98.14 | 495.25 | 96.3 | 1522.52 | 566.27 |
| 794 | 98.14 | 145.59 | 44.27 | 804.82 | 225.28 |
| 21657 | 98.12 | 1345.86 | 71.6 | 749.74 | 292.41 |
| 18988 | 98.09 | 30.38 | 13.56 | 223.34 | 129.63 |
| 20879 | 98.09 | 43.74 | 30.64 | 625.47 | 269.64 |
| 23322 | 98.06 | 175.17 | 55.47 | 557.6 | 145.02 |
| 13283 | 98.01 | 183.6 | 63.4 | 902.59 | 271.24 |
| 13499 | 97.98 | 157.44 | 31.79 | 50.5 | 36.82 |
| 14882 | 97.96 | 354.04 | 130.14 | 1304.22 | 413.04 |
| 2853 | 97.96 | 129.41 | 20.44 | 57.52 | 45.82 |
| 1262 | 97.93 | 173.78 | 34.84 | 48.39 | 29.8 |
| 23044 | 97.93 | 334.36 | 75.68 | 152.38 | 55.27 |
| 9125 | 97.9 | 1110.1 | 130.53 | 634.63 | 135.06 |
| 14384 | 97.9 | 512.02 | 67.81 | 246.63 | 62.43 |
| 154 | 97.9 | 418.22 | 115.55 | 165.54 | 59.93 |
| 10887 | 97.9 | 29.6 | 7.88 | 106.33 | 32.62 |
| 1841 | 97.88 | 275.92 | 85.51 | 46.56 | 50.38 |

| TABLE 5NN: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | | |
|--------------------------|------------|----------------------------------|----------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | | |
| GLCC | Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| | 1795 | 97.85 | 80.33 | 33.43 | 535.15 | 374.1 |

| TABLE 500: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2088 | 99.34 | 174.83 | 69.74 | 34.94 | 23.17 |
| 22522 | 99.23 | 81.82 | 24.3 | 249.27 | 62.78 |
| 8317 | 99.18 | 110.89 | 21.93 | 637.6 | 220.45 |
| 15207 | 99.18 | 303.17 | 40.71 | 74.03 | 39.9 |
| 6143 | 99.18 | 122.62 | 42.4 | 823.43 | 449.41 |
| 6541 | 99.18 | 412.63 | 39.8 | 215.12 | 104.04 |
| 9583 | 99.15 | 416.77 | 51.01 | 60.09 | 97.66 |
| 3121 | 99.02 | 171.84 | 59.51 | 821.21 | 247.16 |
| 12606 | 98.99 | 161.66 | 41.16 | 742.66 | 237.27 |
| 4011 | 98.94 | 509.46 | 121.38 | 1823.51 | 676.9 |
| 24237 | 98.91 | 912.03 | 228.83 | 184.87 | 96.96 |
| 15872 | 98.91 | 98.44 | 36.44 | 500.46 | 168.63 |
| 11426 | 98.91 | 350.88 | 45.99 | 121.21 | 51.34 |
| 13361 | 98.91 | 349.1 | 47.62 | 182.6 | 37.74 |
| 7384 | 98.91 | 1780.22 | 300.89 | 686.94 | 245.66 |
| 14840 | 98.89 | 236.7 | 44.89 | 72.02 | 37.34 |
| 12551 | 98.86 | 50.4 | 10.88 | 233.66 | 77.71 |
| 17684 | 98.86 | 92.04 | 17.94 | 322.08 | 87.9 |
| 9124 | 98.86 | 793.91 | 57.23 | 375.63 | 97.89 |
| 16993 | 98.83 | 181.67 | 44.16 | 1061.5 | 291.65 |
| 23321 | 98.83 | 70.84 | 11.27 | 238.71 | 64.44 |
| 4636 | 98.83 | 435.3 | 83.64 | 73.38 | 124.83 |
| 556 | 98.83 | 326.23 | 26.19 | 669.91 | 127.65 |
| 14881 | 98.83 | 415.82 | 120.83 | 1707.93 | 632.16 |
| 22690 | 98.83 | 97.78 | 59.37 | 653.38 | 276.46 |
| 17541 | 98.83 | 448.67 | 101.47 | 1635.58 | 637.34 |
| 14600 | 98.81 | 535.82 | 168.97 | 115.13 | 47.39 |
| 13332 | 98.81 | 55.78 | 8.2 | 229.78 | 83.4 |
| 17499 | 98.81 | 148.93 | 29.77 | 25.73 | 89.53 |
| 20816 | 98.81 | 771.64 | 143.25 | 245.66 | 388.61 |
| 6189 | 98.78 | 180.55 | 93.95 | 3941.06 | 2199.2 |
| 4914 | 98.75 | 72.31 | 29.34 | 482.29 | 149.47 |
| 2320 | 98.75 | 57.11 | 20.6 | 305.95 | 108.38 |
| 5421 | 98.75 | 521.6 | 96.83 | 200.28 | 71.9 |
| 21947 | 98.73 | 132.87 | 26.87 | 396.84 | 97.07 |
| 3744 | 98.73 | 515.5 | 85.21 | 189.2 | 149.68 |
| 15888 | 98.73 | 393.33 | 60.16 | 165.93 | 140.34 |
| 15517 | 98.7 | 115.84 | 32.38 | 32.43 | 15.57 |
| 3112 | 98.7 | 476.11 | 98.4 | 199.28 | 62.44 |
| 6366 | 98.65 | 796.93 | 120.52 | 273.22 | 98.99 |
| 21074 | 98.65 | 920.52 | 66.01 | 445.27 | 138.25 |
| 19004 | 98.65 | 454.67 | 78.8 | 147.74 | 65.62 |
| 10055 | 98.65 | 94.7 | 9.27 | 34.76 | 28.72 |
| 4026 | 98.62 | 925.46 | 134.15 | 371.92 | 127.61 |
| 1995 | 98.62 | 114.72 | 164.94 | 1945.29 | 964.02 |
| 2555 | 98.59 | 543.06 | 103.8 | 125.65 | 84.95 |
| 6532 | 98.59 | 312.02 | 38.89 | 140.36 | 42.5 |
| 13523 | 98.59 | 542.26 | 77.21 | 251.51 | 74.05 |
| 2484 | 98.59 | 21.07 | 11.5 | 357.2 | 222.64 |
| 18453 | 98.57 | 84.64 | 17.34 | 644.76 | 264.64 |
| 16809 | 98.57 | 165.52 | 38.18 | 29.27 | 24.29 |

| TABLE 500: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20869 | 98.57 | 255.12 | 72.98 | 59.6 | 47.42 |
| 22515 | 98.54 | 1444.32 | 389.76 | 124.13 | 387.74 |
| 5175 | 98.54 | 223.53 | 69.32 | 40.02 | 63.42 |
| 19502 | 98.54 | 146.75 | 66.72 | 20.91 | 19.92 |
| 23243 | 98.54 | 353.21 | 81.79 | 1801.92 | 781.55 |
| 20354 | 98.51 | 371.97 | 55.85 | 51.01 | 55.74 |
| 6615 | 98.51 | 86.66 | 37.59 | 439.43 | 127.94 |
| 17168 | 98.51 | 392.82 | 38.51 | 171.34 | 66.57 |
| 20868 | 98.49 | 189.92 | 59.99 | 41.52 | 34.83 |
| 1827 | 98.49 | 72.31 | 10.06 | 20.56 | 18.93 |
| 15185 | 98.49 | 218.02 | 62.85 | 60.41 | 100.75 |
| 6365 | 98.46 | 239.58 | 39.19 | 64.3 | 44.18 |
| 21796 | 98.46 | 262.23 | 36.09 | 104.09 | 57.2 |
| 9842 | 98.46 | 640.71 | 77.24 | 1606.87 | 410.98 |
| 11720 | 98.46 | 1655.11 | 483.2 | 741.19 | 262.16 |
| 17693 | 98.46 | 55.17 | 11.57 | 211.14 | 128.01 |
| 17257 | 98.43 | 191.55 | 56.09 | 40.38 | 31.83 |
| 4439 | 98.43 | 582.49 | 135.61 | 221.08 | 57.4 |
| 10015 | 98.43 | 319.83 | 48.32 | 138.08 | 50.73 |
| 2005 | 98.43 | 86.81 | 18.58 | 20.19 | 12.65 |
| 9191 | 98.43 | 66.27 | 45.82 | 694.11 | 284.39 |
| 18891 | 98.43 | 72.67 | 19.78 | 302.28 | 168.85 |
| 6614 | 98.41 | 142.5 | 67.39 | 908.9 | 267.48 |
| 2505 | 98.41 | 162.62 | 66.27 | 755.53 | 189.25 |
| 3362 | 98.41 | 246.82 | 39.49 | 91 | 35.51 |
| 14492 | 98.38 | 678.69 | 178.71 | 249.98 | 102.11 |
| 17377 | 98.38 | 247.39 | 32.73 | 73.21 | 49.04 |
| 7225 | 98.38 | 681.39 | 93.08 | 341.99 | 92.47 |
| 10071 | 98.38 | 58.58 | 6.19 | 30.71 | 24.21 |
| 15117 | 98.35 | 70.78 | 12.63 | 20.71 | 12.16 |
| 2383 | 98.35 | 45.87 | 6.4 | 149.36 | 56.17 |
| 20783 | 98.35 | 236.5 | 77.37 | 51.51 | 38.96 |
| 8597 | 98.35 | 250.46 | 49.87 | 102.41 | 31.77 |
| 1221 | 98.33 | 792.81 | 211.28 | 29.91 | 112.09 |
| 7427 | 98.33 | 154.07 | 30.86 | 32.24 | 29.86 |
| 7604 | 98.33 | 853.94 | 176.21 | 331.07 | 110.76 |
| 10016 | 98.33 | 271.85 | 40.63 | 91.73 | 47.86 |
| 23558 | 98.33 | 76.35 | 29.41 | 331.95 | 82.23 |
| 2310 | 98.33 | 598.61 | 180.42 | 89.35 | 96.91 |
| 9267 | 98.33 | 546.61 | 128.35 | 1732.87 | 482.93 |
| 17368 | 98.33 | 376.5 | 82.63 | 135.24 | 48.7 |
| 16048 | 98.33 | 376.11 | 63.21 | 172.15 | 51.53 |
| 1572 | 98.3 | 163.83 | 15.75 | 72.94 | 32.13 |
| 18038 | 98.3 | 64.36 | 15.87 | 249.99 | 90.04 |
| 7868 | 98.3 | 86.78 | 8.41 | 274.28 | 104.28 |
| 1707 | 98.3 | 1662.8 | 198.9 | 887.31 | 209.03 |
| 9223 | 98.3 | 328.74 | 141.18 | 88.51 | 39.55 |
| 23762 | 98.3 | 396.49 | 66.78 | 194 | 53.64 |
| 14003 | 98.3 | 31.78 | 9.08 | 157.09 | 102.34 |
| 13580 | 98.3 | 104.63 | 27.21 | 29.78 | 19.57 |
| 12797 | 98.27 | 78.98 | 28.38 | 20.5 | 12.63 |

| TABLE 500: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24219 | 98.22 | 1060.73 | 108.75 | 377.99 | 183.97 |
| 17382 | 98.22 | 131.83 | 14.87 | 274.82 | 87.76 |
| 17480 | 98.22 | 163.32 | 52.34 | 68.15 | 33.41 |
| 16416 | 98.2 | 271.85 | 91.29 | 108.09 | 60.15 |
| 21012 | 98.14 | 495.25 | 96.3 | 1522.52 | 566.27 |
| 794 | 98.14 | 145.59 | 44.27 | 804.82 | 225.28 |
| 21657 | 98.12 | 1345.86 | 71.6 | 749.74 | 292.41 |
| 18988 | 98.09 | 30.38 | 13.56 | 223.34 | 129.63 |
| 20879 | 98.09 | 43.74 | 30.64 | 625.47 | 269.64 |
| 23322 | 98.06 | 175.17 | 55.47 | 557.6 | 145.02 |
| 13283 | 98.01 | 183.6 | 63.4 | 902.59 | 271.24 |
| 13499 | 97.98 | 157.44 | 31.79 | 50.5 | 36.82 |
| 14882 | 97.96 | 354.04 | 130.14 | 1304.22 | 413.04 |
| 2853 | 97.96 | 129.41 | 20.44 | 57.52 | 45.82 |
| 1262 | 97.93 | 173.78 | 34.84 | 48.39 | 29.8 |
| 23044 | 97.93 | 334.36 | 75.68 | 152.38 | 55.27 |
| 9125 | 97.9 | 1110.1 | 130.53 | 634.63 | 135.06 |
| 14384 | 97.9 | 512.02 | 67.81 | 246.63 | 62.43 |
| 10887 | 97.9 | 29.6 | 7.88 | 106.33 | 32.62 |
| 1841 | 97.88 | 275.92 | 85.51 | 46.56 | 50.38 |
| 1795 | 97.85 | 80.33 | 33.43 | 535.15 | 374.1 |
| 18452 | 97.82 | 193.43 | 54.35 | 1067.34 | 455.74 |
| 11423 | 97.82 | 98.61 | 17.64 | 33.73 | 15.52 |
| 20701 | 97.77 | 1801.6 | 178.47 | 879.28 | 390.31 |
| 135 | 97.72 | 68.79 | 24.42 | 307.58 | 109.35 |
| 5497 | 97.69 | 185.92 | 67.22 | 644.28 | 186.48 |
| 21066 | 97.69 | 122.51 | 17.34 | 59.2 | 18.89 |
| 11203 | 97.69 | 116.74 | 27.79 | 42.14 | 17.41 |
| 18036 | 97.69 | 71.26 | 19.65 | 277.73 | 93.62 |
| 13187 | 97.66 | 58.23 | 8.34 | 30.34 | 73.8 |
| 19255 | 97.64 | 657.51 | 209.95 | 202.15 | 96.67 |
| 9621 | 97.64 | 555.66 | 53.95 | 280.53 | 80.02 |
| 7784 | 97.61 | 49.96 | 9.99 | 121.96 | 50.77 |
| 16080 | 97.56 | 230.04 | 82.1 | 70.93 | 143.01 |
| 70 | 97.56 | 157.89 | 39.95 | 473.92 | 142.37 |
| 12118 | 97.56 | 767.36 | 146.25 | 267.5 | 189.09 |
| 15387 | 97.53 | 799.7 | 43.68 | 519.72 | 120.18 |
| 25313 | 97.51 | 276.33 | 53.95 | 99.09 | 60.63 |
| 1173 | 97.51 | 97.49 | 103.47 | 1578.26 | 696.88 |
| 21916 | 97.48 | 986.81 | 199.02 | 557.17 | 123.31 |
| 25257 | 97.45 | 318.98 | 90.76 | 98.49 | 66.84 |
| 21396 | 97.4 | 231.43 | 17.78 | 468.82 | 136.78 |
| 309 | 97.35 | 1105.54 | 113.43 | 693.57 | 136.64 |
| 19256 | 97.32 | 948.91 | 293.55 | 363.33 | 135.62 |
| 23344 | 97.32 | 810.95 | 140.95 | 374.33 | 124.15 |
| 24883 | 97.32 | 41.09 | 17.41 | 178.51 | 59.21 |
| 16327 | 97.29 | 230.86 | 47.89 | 544.93 | 157.54 |
| 14934 | 97.27 | 107.22 | 10.18 | 64.11 | 15.46 |
| 21915 | 97.27 | 950.07 | 99.71 | 563.49 | 131.44 |
| 1531 | 97.24 | 484.31 | 52 | 1056.99 | 326.1 |
| 16726 | 97.16 | 344.09 | 74.54 | 793.59 | 195.63 |

| TABLE 500: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 48, 72 hrs | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23872 | 97.11 | 254.62 | 73.06 | 73.96 | 154.85 |
| 4574 | 97.08 | 264.2 | 83.17 | 619.9 | 136.28 |
| 25777 | 97.08 | 347.17 | 36.34 | 686.6 | 244.17 |

| TABLE 5PP: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14887 | 97.98 | 39.7 | 10.19 | 295.44 | 248.43 |
| 3452 | 97.56 | 113.34 | 22.9 | 31.73 | 32.78 |
| 2961 | 95.96 | 93.75 | 21.84 | 41.04 | 20.13 |
| 2042 | 95.41 | 84.01 | 6.11 | 34.19 | 44.74 |
| 15884 | 95.17 | 195.5 | 29.21 | 92.97 | 61.83 |
| 15836 | 94.98 | 112.13 | 18.73 | 245.29 | 84.07 |
| 18465 | 94.66 | 551.62 | 71.99 | 274.96 | 190.83 |
| 23855 | 94.53 | 318.56 | 60.23 | 159.85 | 69.43 |
| 22321 | 94.5 | 157.21 | 58.08 | 77.02 | 109.56 |
| 13332 | 94.32 | 86.82 | 18.8 | 229.73 | 83.6 |
| 9267 | 94.18 | 771.45 | 326.64 | 1732.42 | 484.27 |
| 23570 | 93.95 | 129.06 | 9.82 | 183.05 | 35.35 |
| 16885 | 93.95 | 799.59 | 198.76 | 1621.44 | 471.39 |
| 7906 | 93.95 | 61.43 | 20.59 | 26.01 | 14.5 |
| 23989 | 93.95 | 1646.31 | 249.73 | 946.39 | 363.32 |
| 6723 | 93.28 | 91.03 | 21.51 | 192.69 | 74.03 |
| 19926 | 93.02 | 54.49 | 4.59 | 81.98 | 19.95 |
| 15786 | 92.83 | 173.8 | 33.73 | 309.1 | 79.66 |
| 154 | 92.7 | 255.9 | 32.19 | 166.18 | 62.21 |
| 2555 | 92.43 | 432.56 | 189.51 | 125.95 | 86.01 |
| 1221 | 92.43 | 640.55 | 302.2 | 30.23 | 114.19 |
| 4026 | 92.35 | 805.71 | 279.58 | 372.2 | 128.18 |
| 11720 | 92.24 | 1342.48 | 321.05 | 742.2 | 266.49 |
| 22770 | 92.17 | 354.66 | 44.24 | 250.18 | 113.51 |
| 19884 | 91.95 | 2267.57 | 197.03 | 5274.75 | 2647.08 |
| 10972 | 91.85 | 70.43 | 11.08 | 130.69 | 47.35 |
| 10270 | 91.77 | 52.14 | 22.31 | 140.09 | 63.1 |
| 19110 | 91.69 | 213.08 | 39.51 | 101.78 | 104.5 |
| 15697 | 91.69 | 62.5 | 8.65 | 38.53 | 14.72 |
| 6532 | 91.66 | 254.13 | 48.32 | 140.55 | 43.2 |
| 25370 | 91.66 | 69.57 | 14.55 | 156.8 | 91.86 |
| 6548 | 91.66 | 135.96 | 20.78 | 77.33 | 37.88 |
| 16821 | 91.37 | 746.55 | 138.47 | 536.52 | 147.17 |
| 18491 | 91.29 | 624.61 | 129.09 | 1079.1 | 289.36 |
| 7122 | 91.26 | 737.95 | 142.56 | 404.1 | 104.37 |
| 22151 | 91.24 | 70.89 | 21.33 | 168.59 | 107.83 |
| 12463 | 91.23 | 598.4 | 108.58 | 376.66 | 73.83 |
| 13368 | 91.07 | 139.27 | 27.57 | 62.55 | 26.25 |
| 3773 | 91.07 | 251.34 | 75.31 | 67.16 | 59.88 |
| 19412 | 91.05 | 761.27 | 170.08 | 385.98 | 115.8 |
| 23251 | 91.05 | 108.25 | 12.2 | 158.32 | 41.92 |
| 15887 | 90.91 | 522.54 | 139.7 | 233.16 | 152.99 |
| 21740 | 90.91 | 1308.85 | 280.77 | 736.05 | 298.99 |
| 16809 | 90.91 | 93.42 | 30.67 | 29.54 | 25.52 |
| 15207 | 90.86 | 191.4 | 61.75 | 74.45 | 41.71 |
| 2295 | 90.84 | 36.37 | 7.06 | 69.54 | 25.22 |
| 17634 | 90.65 | 399.11 | 122.21 | 165.52 | 71.51 |
| 15125 | 90.6 | 1063.71 | 71.59 | 1651.89 | 623.73 |
| 5695 | 90.57 | 170.31 | 38.37 | 329.97 | 129.54 |
| 21836 | 90.55 | 46.26 | 5.61 | 28.18 | 19.71 |
| 5275 | 90.55 | 71.43 | 14.64 | 30.71 | 26.47 |

| TABLE 5PP: INDOMETHACIN | | | | | |
|-------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17664 | 90.54 | 684.79 | 158.37 | 279.23 | 160.38 |
| 6275 | 90.52 | 279.74 | 61.31 | 615.47 | 256.24 |
| 13364 | 90.47 | 192.17 | 28.8 | 137.71 | 38.8 |
| 12301 | 90.41 | 301.26 | 85.19 | 137.25 | 65.84 |
| 17358 | 90.39 | 960.28 | 129.76 | 1568.33 | 445.19 |
| 15582 | 90.33 | 2340.09 | 398.99 | 5736.61 | 2867.39 |
| 21657 | 90.33 | 1127.57 | 153.2 | 750.47 | 293.76 |
| 4013 | 90.31 | 21.68 | 2.85 | 35.7 | 15.02 |
| 16709 | 90.28 | 1273.44 | 110.88 | 1717.41 | 371.74 |
| 11423 | 90.25 | 76.8 | 21.46 | 33.79 | 15.78 |
| 15157 | 90.23 | 88.11 | 10.03 | 58.01 | 33.14 |
| 24107 | 90.23 | 120.6 | 12.22 | 85.02 | 35.09 |
| 13520 | 90.22 | 283.71 | 99.61 | 109.9 | 86.8 |
| 11904 | 90.2 | 155.69 | 29.35 | 60.13 | 43.39 |
| 6226 | 90.14 | 62.86 | 21.39 | 26.61 | 22.45 |
| 5318 | 90.12 | 1323.21 | 158.36 | 3106.28 | 1757.54 |
| 8213 | 90.1 | 1735.99 | 218.93 | 3451.07 | 1392.82 |
| 8809 | 90.1 | 49.22 | 11.1 | 160.81 | 93.56 |
| 19827 | 90.07 | 877.79 | 131 | 1856.46 | 785.41 |
| 22619 | 90.06 | 614.37 | 108.48 | 299.24 | 114.04 |
| 2655 | 90.04 | 104.17 | 39.66 | 287.12 | 169.55 |
| 24592 | 90.04 | 146.05 | 28.55 | 80.32 | 78.39 |
| 14259 | 90.02 | 45.58 | 9.34 | 98.74 | 65.79 |
| 9595 | 90.01 | 345.94 | 71.74 | 179.72 | 56.98 |
| 23187 | 89.94 | 204.86 | 21.75 | 279.39 | 52.47 |
| 3504 | 89.93 | 449.05 | 77.53 | 284.63 | 83.19 |
| 23762 | 89.86 | 248.17 | 14.01 | 194.6 | 55.26 |
| 15027 | 89.85 | 186.46 | 29.72 | 92.26 | 45.76 |
| 5384 | 89.8 | 121.51 | 52.73 | 27.06 | 61.34 |
| 870 | 89.8 | 33.66 | 6.67 | 20.03 | 9.87 |
| 21109 | 89.78 | 46.38 | 4.56 | 34.39 | 11.97 |
| 17224 | 89.72 | 1608.96 | 229.99 | 1116.94 | 201.64 |
| 762 | 89.72 | 870 | 145.71 | 1608.19 | 598.82 |
| 16080 | 89.69 | 162.74 | 62.96 | 71.17 | 143.31 |
| 2430 | 89.64 | 83.63 | 27.36 | 23.61 | 28.09 |
| 11585 | 89.62 | 219.08 | 35.83 | 368.85 | 109.07 |
| 18744 | 89.59 | 108.26 | 17.72 | 74.93 | 35.44 |
| 16223 | 89.56 | 496.56 | 77.38 | 298.81 | 134.64 |
| 17573 | 89.54 | 42.84 | 26.35 | 169.74 | 104.7 |
| 20063 | 89.51 | 400.95 | 44.11 | 268.23 | 100.24 |
| 14303 | 89.45 | 423.75 | 110.16 | 235.41 | 77.97 |
| 3260 | 89.45 | 337.33 | 68.65 | 174.99 | 85.77 |
| 9821 | 89.4 | 128.56 | 18.4 | 70.89 | 27.55 |
| 21156 | 89.38 | 1694.45 | 253.35 | 5104.07 | 2988.91 |
| 19427 | 89.38 | 1497.71 | 168.52 | 3995.1 | 2472.79 |
| 15019 | 89.37 | 141.56 | 32.74 | 89.22 | 24.53 |
| 2444 | 89.3 | 70.37 | 24.38 | 167.61 | 72.74 |
| 15107 | 89.3 | 954.97 | 234.78 | 3953.6 | 2644.08 |
| 17252 | 89.25 | 359.12 | 58.17 | 686.47 | 283.78 |
| 21488 | 89.17 | 48.65 | 6.76 | 31.63 | 20.56 |
| 17541 | 89.14 | 717.33 | 403.54 | 1634.93 | 638.53 |

| TABLE 5PP: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20926 | 89.14 | 843.85 | 68.19 | 583.84 | 230.57 |
| 18582 | 89.11 | 338.73 | 47.29 | 231.94 | 72.25 |
| 772 | 89.08 | 67.35 | 8.92 | 36.93 | 17.84 |
| 20701 | 88.97 | 1467.91 | 258 | 880.38 | 392.7 |
| 20114 | 88.95 | 62.4 | 11.56 | 26.93 | 26.68 |
| 1641 | 88.36 | 200.93 | 33.99 | 110.21 | 51.87 |
| 23987 | 88.34 | 296.73 | 83.04 | 169.61 | 68.69 |
| 1572 | 88.24 | 112.55 | 18.42 | 73.14 | 32.56 |
| 1531 | 88.16 | 625.65 | 149.13 | 1056.62 | 326.83 |
| 20698 | 88.12 | 1446.49 | 286.91 | 896.97 | 447.53 |
| 1178 | 88.1 | 58.11 | 5.17 | 50.19 | 27.83 |
| 11827 | 87.97 | 70.63 | 16.03 | 38.44 | 17.08 |
| 9842 | 87.89 | 1130.01 | 162.74 | 1605.05 | 414.46 |
| 9223 | 87.86 | 150.77 | 24.16 | 89.24 | 43.16 |
| 10544 | 87.68 | 224.42 | 25.28 | 179.63 | 71.62 |
| 15489 | 87.65 | 112.91 | 15.25 | 76.3 | 23.7 |
| 746 | 87.63 | 50.29 | 9.53 | 125.54 | 81.83 |
| 2685 | 87.55 | 136.57 | 20.41 | 91.28 | 35.36 |
| 17805 | 87.33 | 1054.14 | 70.03 | 1272.09 | 281.89 |
| 738 | 87.33 | 36.13 | 2.63 | 29.62 | 8.52 |
| 21709 | 87.25 | 257.74 | 20.15 | 193.3 | 47.2 |
| 354 | 87.25 | 144.81 | 57.59 | 81.93 | 152.75 |
| 25064 | 87.25 | 882.19 | 57.21 | 1189.57 | 357.66 |
| 15933 | 87.2 | 266.44 | 72.66 | 160.35 | 59.82 |
| 4527 | 87.2 | 56.05 | 12.81 | 33.42 | 14.26 |
| 353 | 87.17 | 137.1 | 61.51 | 59.78 | 123.83 |
| 24433 | 87.15 | 35.24 | 12.16 | 24.32 | 23.98 |
| 5619 | 87.14 | 850.97 | 225.98 | 428.64 | 222.2 |
| 16610 | 86.99 | 218.43 | 47.05 | 147.57 | 75.68 |
| 13499 | 86.93 | 96.28 | 26.93 | 50.74 | 37.36 |
| 10167 | 86.9 | 220.12 | 37.35 | 139.64 | 72.6 |
| 15269 | 86.8 | 287.24 | 60.09 | 184.06 | 53.15 |
| 21011 | 86.67 | 1194.24 | 194.08 | 2366.94 | 1065.55 |
| 4144 | 86.64 | 717.92 | 92.42 | 508.9 | 115.6 |
| 24797 | 86.56 | 95.97 | 13.67 | 66.87 | 59.74 |
| 23044 | 86.53 | 224.45 | 41.23 | 152.81 | 56.45 |
| 25747 | 86.48 | 619.67 | 148.69 | 425.22 | 233.87 |
| 19411 | 86.45 | 116.37 | 55.34 | 33.59 | 20.94 |
| 1795 | 86.43 | 177.52 | 84.07 | 534.93 | 374.52 |
| 20354 | 86.37 | 196.63 | 109.23 | 51.67 | 58.35 |
| 17883 | 86.19 | 30.51 | 4.4 | 22.39 | 15.54 |
| 23226 | 86.14 | 80.45 | 9.27 | 56.46 | 29.88 |
| 1841 | 86.05 | 184.56 | 77.88 | 46.87 | 51.7 |
| 1501 | 85.97 | 730.3 | 133.89 | 501.17 | 251.44 |
| 6348 | 85.92 | 82.4 | 9.27 | 53.19 | 20.52 |
| 17589 | 85.91 | 125.36 | 57.82 | 33.16 | 33.5 |
| 12350 | 85.89 | 60.45 | 13.61 | 30.98 | 18 |
| 21708 | 85.89 | 105.85 | 18.82 | 62.13 | 28.38 |
| 13164 | 85.85 | 839.45 | 347.66 | 3807.98 | 2467.79 |
| 10947 | 85.85 | 1218.61 | 123.68 | 1887.82 | 948.43 |
| 16081 | 85.78 | 348.37 | 129.58 | 127.54 | 197.64 |

| TABLE SPP: INDOMETHACIN | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 9841 | 85.74 | 1666.47 | 153.26 | 2171.24 | 563.9 |
| 18389 | 85.73 | 68.71 | 18.38 | 21.63 | 29.58 |
| 8768 | 85.73 | 38.98 | 6.62 | 21.76 | 12.46 |
| 15927 | 85.71 | 124.29 | 15.06 | 76.99 | 31.66 |
| 15116 | 85.62 | 173.73 | 63.58 | 86.11 | 29.13 |
| 19410 | 85.6 | 135.97 | 22.17 | 88.01 | 30.33 |
| 15803 | 85.55 | 42.58 | 3.57 | 40.9 | 24.49 |
| 17274 | 85.55 | 38.69 | 7.57 | 58.14 | 24.75 |
| 4504 | 85.55 | 69.98 | 23.19 | 26.59 | 81.74 |
| 17257 | 85.49 | 116.78 | 48.39 | 40.66 | 32.93 |
| 25629 | 85.48 | 72.13 | 10.78 | 50.46 | 28.23 |
| 15759 | 85.44 | 323.28 | 83.9 | 171.95 | 93.18 |
| 24345 | 85.4 | 445.87 | 62.58 | 264.39 | 301.31 |
| 4531 | 85.34 | 46.33 | 2.84 | 44.36 | 14.53 |
| 16125 | 85.33 | 216.58 | 76.48 | 93.26 | 38.27 |
| 25625 | 85.26 | 71.68 | 13.54 | 34.62 | 27.17 |
| 24596 | 85.21 | 91.29 | 8.08 | 77.52 | 44.19 |
| 155 | 85.2 | 90.57 | 31.89 | 41.65 | 26.57 |
| 19942 | 85.18 | 207.44 | 30.19 | 144.69 | 54.02 |
| 7063 | 85.18 | 126.5 | 27.91 | 92.67 | 98.54 |
| 16304 | 85.16 | 1018.71 | 176.88 | 1499.26 | 506.72 |

| TABLE 50Q: INDOMETHACIN | | Attorney Docket 44921-5033-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14887 | 97.98 | 39.7 | 10.19 | 295.44 | 248.43 |
| 3452 | 97.56 | 113.34 | 22.9 | 31.73 | 32.78 |
| 2961 | 95.96 | 93.75 | 21.84 | 41.04 | 20.13 |
| 15836 | 94.98 | 112.13 | 18.73 | 245.29 | 84.07 |
| 23855 | 94.53 | 318.56 | 60.23 | 159.85 | 69.43 |
| 7906 | 93.95 | 61.43 | 20.59 | 26.01 | 14.5 |
| 23570 | 93.95 | 129.06 | 9.82 | 183.05 | 35.35 |
| 6723 | 93.28 | 91.03 | 21.51 | 192.69 | 74.03 |
| 19926 | 93.02 | 54.49 | 4.59 | 81.98 | 19.95 |
| 22770 | 92.17 | 354.66 | 44.24 | 250.18 | 113.51 |
| 19884 | 91.95 | 2267.57 | 197.03 | 5274.75 | 2647.08 |
| 10972 | 91.85 | 70.43 | 11.08 | 130.69 | 47.35 |
| 10270 | 91.77 | 52.14 | 22.31 | 140.09 | 63.1 |
| 15697 | 91.69 | 62.5 | 8.65 | 38.53 | 14.72 |
| 19110 | 91.69 | 213.08 | 39.51 | 101.78 | 104.5 |
| 6548 | 91.66 | 135.96 | 20.78 | 77.33 | 37.88 |
| 16821 | 91.37 | 746.55 | 138.47 | 536.52 | 147.17 |
| 18491 | 91.29 | 624.61 | 129.09 | 1079.1 | 289.36 |
| 3773 | 91.07 | 251.34 | 75.31 | 67.16 | 59.88 |
| 13368 | 91.07 | 139.27 | 27.57 | 62.55 | 26.25 |
| 23251 | 91.05 | 108.25 | 12.2 | 158.32 | 41.92 |
| 15887 | 90.91 | 522.54 | 139.7 | 233.16 | 152.99 |
| 2295 | 90.84 | 36.37 | 7.06 | 69.54 | 25.22 |
| 17634 | 90.65 | 399.11 | 122.21 | 165.52 | 71.51 |
| 15125 | 90.6 | 1063.71 | 71.59 | 1651.89 | 623.73 |
| 5695 | 90.57 | 170.31 | 38.37 | 329.97 | 129.54 |
| 5275 | 90.55 | 71.43 | 14.64 | 30.71 | 26.47 |
| 21836 | 90.55 | 46.26 | 5.61 | 28.18 | 19.71 |
| 6275 | 90.52 | 279.74 | 61.31 | 615.47 | 256.24 |
| 13364 | 90.47 | 192.17 | 28.8 | 137.71 | 38.8 |
| 12301 | 90.41 | 301.26 | 85.19 | 137.25 | 65.84 |
| 17358 | 90.39 | 960.28 | 129.76 | 1568.33 | 445.19 |
| 21657 | 90.33 | 1127.57 | 153.2 | 750.47 | 293.76 |
| 15582 | 90.33 | 2340.09 | 398.99 | 5736.61 | 2867.39 |
| 4013 | 90.31 | 21.68 | 2.85 | 35.7 | 15.02 |
| 16709 | 90.28 | 1273.44 | 110.88 | 1717.41 | 371.74 |
| 24107 | 90.23 | 120.6 | 12.22 | 85.02 | 35.09 |
| 15157 | 90.23 | 88.11 | 10.03 | 58.01 | 33.14 |
| 13520 | 90.22 | 283.71 | 99.61 | 109.9 | 86.8 |
| 6226 | 90.14 | 62.86 | 21.39 | 26.61 | 22.45 |
| 5318 | 90.12 | 1323.21 | 158.36 | 3106.28 | 1757.54 |
| 8809 | 90.1 | 49.22 | 11.1 | 160.81 | 93.56 |
| 8213 | 90.1 | 1735.99 | 218.93 | 3451.07 | 1392.82 |
| 19827 | 90.07 | 877.79 | 131 | 1856.46 | 785.41 |
| 24592 | 90.04 | 146.05 | 28.55 | 80.32 | 78.39 |
| 14259 | 90.02 | 45.58 | 9.34 | 98.74 | 65.79 |
| 23187 | 89.94 | 204.86 | 21.75 | 279.39 | 52.47 |
| 3504 | 89.93 | 449.05 | 77.53 | 284.63 | 83.19 |
| 23762 | 89.86 | 248.17 | 14.01 | 194.6 | 55.26 |
| 15027 | 89.85 | 186.46 | 29.72 | 92.26 | 45.76 |
| 870 | 89.8 | 33.66 | 6.67 | 20.03 | 9.87 |

| TABLE 5Q: INDOMETHACIN | | | | | |
|-------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5384 | 89.8 | 121.51 | 52.73 | 27.06 | 61.34 |
| 21109 | 89.78 | 46.38 | 4.56 | 34.39 | 11.97 |
| 762 | 89.72 | 870 | 145.71 | 1608.19 | 598.82 |
| 17224 | 89.72 | 1608.96 | 229.99 | 1116.94 | 201.64 |
| 2430 | 89.64 | 83.63 | 27.36 | 23.61 | 28.09 |
| 11585 | 89.62 | 219.08 | 35.83 | 368.85 | 109.07 |
| 18744 | 89.59 | 108.26 | 17.72 | 74.93 | 35.44 |
| 16223 | 89.56 | 496.56 | 77.38 | 298.81 | 134.64 |
| 17573 | 89.54 | 42.84 | 26.35 | 169.74 | 104.7 |
| 20063 | 89.51 | 400.95 | 44.11 | 268.23 | 100.24 |
| 3260 | 89.45 | 337.33 | 68.65 | 174.99 | 85.77 |
| 14303 | 89.45 | 423.75 | 110.16 | 235.41 | 77.97 |
| 9821 | 89.4 | 128.56 | 18.4 | 70.89 | 27.55 |
| 19427 | 89.38 | 1497.71 | 168.52 | 3995.1 | 2472.79 |
| 21156 | 89.38 | 1694.45 | 253.35 | 5104.07 | 2988.91 |
| 15019 | 89.37 | 141.56 | 32.74 | 89.22 | 24.53 |
| 15107 | 89.3 | 954.97 | 234.78 | 3953.6 | 2644.08 |
| 2444 | 89.3 | 70.37 | 24.38 | 167.61 | 72.74 |
| 17252 | 89.25 | 359.12 | 58.17 | 686.47 | 283.78 |
| 3019 | 89.25 | 49.4 | 8.74 | 98.81 | 53.07 |
| 14827 | 89.19 | 27.88 | 18.95 | 99.2 | 80.08 |
| 21488 | 89.17 | 48.65 | 6.76 | 31.63 | 20.56 |
| 17541 | 89.14 | 717.33 | 403.54 | 1634.93 | 638.53 |
| 8742 | 89.14 | 114.3 | 11.18 | 157 | 32.42 |
| 20926 | 89.14 | 843.85 | 68.19 | 583.84 | 230.57 |
| 18582 | 89.11 | 338.73 | 47.29 | 231.94 | 72.25 |
| 14501 | 89.08 | 98.17 | 24.64 | 41.39 | 23.48 |
| 772 | 89.08 | 67.35 | 8.92 | 36.93 | 17.84 |
| 17240 | 89.06 | 1680.12 | 312.27 | 3692.46 | 1526.02 |
| 15467 | 89.03 | 119.2 | 25.28 | 57.7 | 30.94 |
| 16915 | 88.98 | 2018.28 | 372.08 | 5655.81 | 3069.92 |
| 20114 | 88.95 | 62.4 | 11.56 | 26.93 | 26.68 |
| 3079 | 88.89 | 228.17 | 113.62 | 145.73 | 53.56 |
| 11505 | 88.79 | 50.65 | 8.39 | 84.51 | 33.82 |
| 10332 | 88.74 | 250.87 | 99.23 | 54.41 | 87.77 |
| 12928 | 88.69 | 625.58 | 77.18 | 508.88 | 130.67 |
| 6189 | 88.58 | 1200.49 | 559.83 | 3938.18 | 2204.98 |
| 2492 | 88.58 | 244.05 | 41.12 | 137.16 | 56.34 |
| 19384 | 88.53 | 1393.65 | 171.83 | 2640.02 | 1354.54 |
| 15955 | 88.5 | 70.98 | 38.82 | 194.95 | 94.7 |
| 15904 | 88.5 | 261.46 | 56.83 | 145.22 | 52.79 |
| 2058 | 88.5 | 185.96 | 48.22 | 90.47 | 46.63 |
| 16783 | 88.44 | 137.29 | 51.69 | 28.88 | 39.91 |
| 6231 | 88.42 | 97.45 | 12.75 | 72.46 | 49.66 |
| 1641 | 88.36 | 200.93 | 33.99 | 110.21 | 51.87 |
| 18637 | 88.34 | 1244.1 | 201.94 | 2019.76 | 623.78 |
| 23987 | 88.34 | 296.73 | 83.04 | 169.61 | 68.69 |
| 13706 | 88.29 | 236.65 | 41.59 | 397.79 | 132.61 |
| 22542 | 88.29 | 1553.85 | 328.45 | 3415.72 | 1418.29 |
| 1531 | 88.16 | 625.65 | 149.13 | 1056.62 | 326.83 |
| 20698 | 88.12 | 1446.49 | 286.91 | 896.97 | 447.53 |

| TABLE 50Q: INDOMETHACIN | | | | | |
|-------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1178 | 88.1 | 58.11 | 5.17 | 50.19 | 27.83 |
| 11827 | 87.97 | 70.63 | 16.03 | 38.44 | 17.08 |
| 9842 | 87.89 | 1130.01 | 162.74 | 1605.05 | 414.46 |
| 10544 | 87.68 | 224.42 | 25.28 | 179.63 | 71.62 |
| 15489 | 87.65 | 112.91 | 15.25 | 76.3 | 23.7 |
| 746 | 87.63 | 50.29 | 9.53 | 125.54 | 81.83 |
| 2685 | 87.55 | 136.57 | 20.41 | 91.28 | 35.36 |
| 17805 | 87.33 | 1054.14 | 70.03 | 1272.09 | 281.89 |
| 738 | 87.33 | 36.13 | 2.63 | 29.62 | 8.52 |
| 25064 | 87.25 | 882.19 | 57.21 | 1189.57 | 357.66 |
| 15933 | 87.2 | 266.44 | 72.66 | 160.35 | 59.82 |
| 4527 | 87.2 | 56.05 | 12.81 | 33.42 | 14.26 |
| 353 | 87.17 | 137.1 | 61.51 | 59.78 | 123.83 |
| 24433 | 87.15 | 35.24 | 12.16 | 24.32 | 23.98 |
| 5619 | 87.14 | 850.97 | 225.98 | 428.64 | 222.2 |
| 16610 | 86.99 | 218.43 | 47.05 | 147.57 | 75.68 |
| 13499 | 86.93 | 96.28 | 26.93 | 50.74 | 37.36 |
| 10167 | 86.9 | 220.12 | 37.35 | 139.64 | 72.6 |
| 15269 | 86.8 | 287.24 | 60.09 | 184.06 | 53.15 |
| 21011 | 86.67 | 1194.24 | 194.08 | 2366.94 | 1065.55 |
| 4144 | 86.64 | 717.92 | 92.42 | 508.9 | 115.6 |
| 24797 | 86.56 | 95.97 | 13.67 | 66.87 | 59.74 |
| 23044 | 86.53 | 224.45 | 41.23 | 152.81 | 56.45 |
| 25747 | 86.48 | 619.67 | 148.69 | 425.22 | 233.87 |
| 19411 | 86.45 | 116.37 | 55.34 | 33.59 | 20.94 |
| 17883 | 86.19 | 30.51 | 4.4 | 22.39 | 15.54 |
| 23226 | 86.14 | 80.45 | 9.27 | 56.46 | 29.88 |
| 1841 | 86.05 | 184.56 | 77.88 | 46.87 | 51.7 |
| 1501 | 85.97 | 730.3 | 133.89 | 501.17 | 251.44 |
| 6348 | 85.92 | 82.4 | 9.27 | 53.19 | 20.52 |
| 17589 | 85.91 | 125.36 | 57.82 | 33.16 | 33.5 |
| 12350 | 85.89 | 60.45 | 13.61 | 30.98 | 18 |
| 21708 | 85.89 | 105.85 | 18.82 | 62.13 | 28.38 |
| 13164 | 85.85 | 839.45 | 347.66 | 3807.98 | 2467.79 |
| 10947 | 85.85 | 1218.61 | 123.68 | 1887.82 | 948.43 |
| 9841 | 85.74 | 1666.47 | 153.26 | 2171.24 | 563.9 |
| 8768 | 85.73 | 38.98 | 6.62 | 21.76 | 12.46 |
| 15927 | 85.71 | 124.29 | 15.06 | 76.99 | 31.66 |
| 15116 | 85.62 | 173.73 | 63.58 | 86.11 | 29.13 |
| 15803 | 85.55 | 42.58 | 3.57 | 40.9 | 24.49 |
| 17274 | 85.55 | 38.69 | 7.57 | 58.14 | 24.75 |
| 17257 | 85.49 | 116.78 | 48.39 | 40.66 | 32.93 |
| 25629 | 85.48 | 72.13 | 10.78 | 50.46 | 28.23 |
| 15759 | 85.44 | 323.28 | 83.9 | 171.95 | 93.18 |
| 24345 | 85.4 | 445.87 | 62.58 | 264.39 | 301.31 |
| 4531 | 85.34 | 46.33 | 2.84 | 44.36 | 14.53 |
| 25625 | 85.26 | 71.68 | 13.54 | 34.62 | 27.17 |
| 24596 | 85.21 | 91.29 | 8.08 | 77.52 | 44.19 |
| 155 | 85.2 | 90.57 | 31.89 | 41.65 | 26.57 |
| 19942 | 85.18 | 207.44 | 30.19 | 144.69 | 54.02 |
| 7063 | 85.18 | 126.5 | 27.91 | 92.67 | 98.54 |

| TABLE 5Q: INDOMETHACIN | | Attorney Docket 44921-5033-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6, 24 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16304 | 85.16 | 1018.71 | 176.88 | 1499.26 | 506.72 |
| 21039 | 85.08 | 99.44 | 21.32 | 239.59 | 180.51 |
| 9541 | 85.08 | 124.15 | 44.41 | 72.06 | 109.95 |
| 8597 | 85.07 | 144.07 | 20.56 | 102.84 | 33.19 |
| 21707 | 85.07 | 152.81 | 70.83 | 40.76 | 52.2 |
| 8212 | 85.02 | 1243.19 | 145.66 | 1984.57 | 731.41 |
| 17908 | 84.89 | 121.64 | 35.63 | 72.53 | 116.7 |
| 15558 | 84.86 | 403.8 | 67.32 | 309.7 | 117.24 |
| 21076 | 84.84 | 50.29 | 5.48 | 40.21 | 16.58 |
| 15259 | 84.83 | 173.67 | 39.01 | 101.51 | 55.77 |
| 17995 | 84.78 | 1096.43 | 199.3 | 1700.15 | 651.94 |
| 20464 | 84.78 | 1368.16 | 149.82 | 1782.69 | 560.41 |
| 10623 | 84.71 | 558.28 | 150.08 | 1106.36 | 503.43 |
| 912 | 84.71 | 444.45 | 52.53 | 353.86 | 126.43 |
| 4011 | 84.65 | 1065.84 | 236.96 | 1821.55 | 680.32 |
| 14347 | 84.63 | 1231.25 | 156.22 | 1744.22 | 515.78 |
| 20449 | 84.59 | 80.01 | 96.05 | 40.6 | 104.34 |
| 24897 | 84.57 | 20.87 | 8.46 | 44.28 | 16.55 |
| 18327 | 84.56 | 101.34 | 33.54 | 44.4 | 26.98 |
| 25676 | 84.54 | 152.77 | 32.89 | 96.72 | 43.31 |
| 11203 | 84.53 | 86.52 | 27.79 | 42.24 | 17.81 |
| 16221 | 84.49 | 87.05 | 12.61 | 62.94 | 28 |
| 14353 | 84.43 | 57.65 | 12.97 | 37.24 | 21.71 |
| 19584 | 84.38 | 189.94 | 25.96 | 115.26 | 48.7 |

| TABLE 5RR: MENADIONE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935823.1 | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24300 | 100 | 180.7 | 1.42 | 81.24 | 31.93 |
| 22176 | 99.95 | 345.1 | 2.61 | 103.62 | 68.4 |
| 4857 | 99.92 | 1124.49 | 17.98 | 397.4 | 136.61 |
| 8113 | 99.87 | 274.66 | 1.69 | 116.11 | 56.32 |
| 2052 | 99.87 | 399.44 | 5.83 | 169.68 | 80.64 |
| 17892 | 99.79 | 777.73 | 1.58 | 363.38 | 178.48 |
| 16345 | 99.79 | 365.41 | 3.4 | 622.3 | 140.2 |
| 3320 | 99.79 | 198.56 | 3.3 | 86.72 | 40.45 |
| 19063 | 99.79 | 62.36 | 2.22 | 168.67 | 45.16 |
| 2218 | 99.76 | 180.19 | 7.9 | 70.57 | 36.23 |
| 4954 | 99.74 | 1004.71 | 23.67 | 393.18 | 188.65 |
| 25371 | 99.68 | 130.65 | 2.54 | 55.32 | 42.87 |
| 4107 | 99.68 | 298.93 | 0.97 | 217.52 | 179.13 |
| 2487 | 99.66 | 138.35 | 10.62 | 54.31 | 34 |
| 10988 | 99.6 | 58.32 | 0.09 | 25.73 | 47.89 |
| 12793 | 99.58 | 61.18 | 0.52 | 33.62 | 19.37 |
| 6287 | 99.58 | 180.95 | 7.54 | 72.6 | 30.98 |
| 17673 | 99.52 | 172.71 | 6.62 | 69.05 | 41.3 |
| 15102 | 99.5 | 801.52 | 26.16 | 310.86 | 146.28 |
| 3057 | 99.5 | 187.93 | 4.35 | 63.41 | 41.88 |
| 22781 | 99.44 | 243.94 | 24.29 | 94.07 | 54.57 |
| 12996 | 99.44 | 567.38 | 16.39 | 315.41 | 136.2 |
| 8384 | 99.42 | 92.43 | 2.97 | 39.63 | 62.09 |
| 21890 | 99.42 | 239.85 | 0.72 | 153.66 | 69.42 |
| 9370 | 99.42 | 313.43 | 2.69 | 484.73 | 95.6 |
| 18216 | 99.39 | 102.58 | 3.92 | 46.23 | 18.46 |
| 22269 | 99.39 | 230.35 | 11.37 | 108.07 | 56.95 |
| 12243 | 99.39 | 90.42 | 3.71 | 31.08 | 26.91 |
| 5057 | 99.36 | 153.21 | 9.38 | 55.93 | 25.98 |
| 22379 | 99.34 | 152.12 | 22.08 | 472.67 | 216.47 |
| 11888 | 99.34 | 183.54 | 0.4 | 141.1 | 61.23 |
| 26270 | 99.31 | 89.86 | 5.02 | 37.12 | 18.67 |
| 14850 | 99.31 | 75.79 | 2.11 | 28.96 | 17.68 |
| 13426 | 99.31 | 969.36 | 18.48 | 530.79 | 178.2 |
| 8627 | 99.29 | 56.5 | 0.46 | 32.96 | 26.91 |
| 5021 | 99.29 | 327.22 | 10.83 | 169.74 | 69.46 |
| 13746 | 99.29 | 338.35 | 13.85 | 161.48 | 69.34 |
| 22772 | 99.29 | 49 | 0.35 | 29.56 | 18.97 |
| 11092 | 99.26 | 170.21 | 1.97 | 89.15 | 40.73 |
| 25058 | 99.26 | 151 | 3.2 | 78.96 | 42.21 |
| 10968 | 99.23 | 228.83 | 23.87 | 61.43 | 43.27 |
| 575 | 99.23 | 1693.34 | 21.47 | 904.1 | 309.05 |
| 18628 | 99.21 | 1376.06 | 3.06 | 1448.93 | 396.72 |
| 12909 | 99.18 | 206.44 | 7.94 | 102.99 | 53.06 |
| 9171 | 99.18 | 290.11 | 13.27 | 137.68 | 50.98 |
| 22105 | 99.15 | 41.53 | 7.54 | 140.33 | 42.86 |
| 26094 | 99.15 | 179.5 | 1.8 | 110.38 | 45.08 |
| 7253 | 99.13 | 114.1 | 11.91 | 303.81 | 94.98 |
| 8985 | 99.1 | 188.58 | 11.73 | 78.27 | 34.45 |
| 10944 | 99.1 | 81.25 | 2.35 | 29.8 | 30.52 |
| 17234 | 99.1 | 297.76 | 5.93 | 175.57 | 56.71 |

| TABLE 5RR: MENADIONE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14167 | 99.1 | 245.59 | 4.55 | 134.58 | 47.68 |
| 15533 | 99.07 | 57.35 | 2.03 | 20.17 | 15.47 |
| 6483 | 99.05 | 86.28 | 8.31 | 235.53 | 77.52 |
| 22126 | 99.05 | 103.32 | 1.53 | 57.42 | 34.03 |
| 24095 | 99.05 | 158.52 | 0.73 | 97.45 | 50.15 |
| 3917 | 99.02 | 539.14 | 111.2 | 1585.96 | 509.75 |
| 19219 | 99.02 | 161.89 | 3.18 | 89.18 | 33.68 |
| 12758 | 99.02 | 112.57 | 1.96 | 54.84 | 29.87 |
| 22919 | 99.02 | 84.95 | 0.74 | 127.53 | 28.77 |
| 5459 | 99.02 | 187.12 | 13.03 | 77.83 | 29.88 |
| 11864 | 98.99 | 87.87 | 1.12 | 53.58 | 23.34 |
| 15551 | 98.97 | 502.29 | 15.59 | 326.86 | 67.26 |
| 1480 | 98.94 | 168.57 | 3.09 | 289.43 | 79.13 |
| 13899 | 98.94 | 175.39 | 2.06 | 88.48 | 41.54 |
| 19638 | 98.94 | 152.8 | 6.89 | 74.91 | 30.99 |
| 9594 | 98.91 | 141.58 | 3.82 | 75.16 | 28.64 |
| 19617 | 98.89 | 115.72 | 2.08 | 66.82 | 37.34 |
| 11942 | 98.89 | 108.48 | 6.32 | 45.54 | 24.33 |
| 9924 | 98.89 | 72.93 | 1.5 | 30.66 | 22.48 |
| 16889 | 98.86 | 238.23 | 30.65 | 89.64 | 46.92 |
| 25336 | 98.86 | 71.92 | 4.47 | 24.7 | 21.75 |
| 6413 | 98.86 | 138.24 | 14.78 | 41.08 | 23.49 |
| 23005 | 98.84 | 187.07 | 4.93 | 124.6 | 86.4 |
| 16005 | 98.84 | 209.58 | 19.7 | 405.59 | 82.34 |
| 3968 | 98.84 | 224.25 | 8.94 | 135.49 | 34.69 |
| 11686 | 98.84 | 145.27 | 14.08 | 53.72 | 25.93 |
| 5809 | 98.84 | 96.47 | 5.51 | 37.37 | 25.82 |
| 5104 | 98.84 | 146.92 | 1.4 | 107.12 | 22.23 |
| 19721 | 98.81 | 155.67 | 16.31 | 58.09 | 29.35 |
| 5716 | 98.81 | 151.3 | 29.59 | 53.6 | 26.97 |
| 6721 | 98.81 | 102.73 | 3.41 | 45.8 | 40.16 |
| 18074 | 98.81 | 58.73 | 1.15 | 36.04 | 21.86 |
| 19048 | 98.81 | 77.48 | 4.49 | 29.33 | 19.7 |
| 12195 | 98.81 | 219.37 | 15.01 | 91.54 | 50.11 |
| 23730 | 98.81 | 54.65 | 3.6 | 20.55 | 13.23 |
| 2667 | 98.81 | 1093.39 | 5.84 | 807.76 | 200.92 |
| 26264 | 98.81 | 103.62 | 3.61 | 52.25 | 20.48 |
| 6831 | 98.81 | 106.87 | 4.12 | 52.64 | 25.28 |
| 15283 | 98.78 | 324.91 | 28.52 | 644.4 | 206.73 |
| 24719 | 98.78 | 77.87 | 8.19 | 25.79 | 17.05 |
| 4245 | 98.78 | 444.89 | 17.75 | 738.82 | 176.68 |
| 15323 | 98.78 | 112.84 | 4.99 | 55.76 | 21.92 |
| 12568 | 98.76 | 54.18 | 1.46 | 28.95 | 12.83 |
| 22961 | 98.76 | 186 | 7.09 | 87.97 | 39.09 |
| 18 | 98.76 | 43.78 | 4.28 | 123.08 | 50.04 |
| 5386 | 98.76 | 133.04 | 9.98 | 53.62 | 30.72 |
| 2620 | 98.76 | 121.92 | 3.56 | 61.81 | 26.5 |
| 18078 | 98.73 | 85.57 | 2.12 | 46.74 | 79.49 |
| 9893 | 98.73 | 112.11 | 5.22 | 52.88 | 23.1 |
| 8392 | 98.73 | 119.19 | 4.5 | 45.14 | 36.36 |
| 17691 | 98.49 | 46.9 | 0.87 | 88.97 | 36.83 |

| TABLE 5RR: MENADIONE | | | | | |
|----------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2753 | 98.44 | 187.88 | 62.1 | 46.2 | 30.04 |
| 13186 | 98.36 | 190.58 | 20.37 | 77.58 | 34.13 |
| 13185 | 98.31 | 82.07 | 8.15 | 25.31 | 61.41 |
| 1791 | 98.25 | 124.5 | 1.11 | 86.65 | 34.18 |
| 16164 | 98.25 | 434.63 | 14.09 | 690.45 | 284.97 |
| 22006 | 98.25 | 233.67 | 1.69 | 307.53 | 76.47 |
| 15601 | 98.23 | 134.48 | 28.23 | 312.04 | 81.88 |
| 8386 | 98.2 | 275.88 | 19.69 | 134.61 | 48.34 |
| 20236 | 98.17 | 321.29 | 36.05 | 148.72 | 74.7 |
| 930 | 98.17 | 54.8 | 1.79 | 27.5 | 15.12 |
| 25546 | 98.17 | 73.78 | 5.1 | 29.07 | 36.17 |
| 20630 | 98.12 | 766.18 | 94.79 | 290.26 | 309.79 |
| 730 | 97.99 | 69.78 | 1.88 | 46.4 | 36.74 |
| 854 | 97.94 | 78.06 | 13.18 | 31.44 | 15.32 |
| 17561 | 97.91 | 489.69 | 9.58 | 260.53 | 144.84 |
| 23302 | 97.88 | 48.41 | 0.81 | 36.69 | 21.3 |
| 1396 | 97.86 | 56.95 | 0.38 | 59.24 | 18.79 |
| 15677 | 97.86 | 414.97 | 14.78 | 242.94 | 121.91 |
| 19584 | 97.86 | 143.08 | 1.24 | 115.57 | 48.91 |
| 24797 | 97.83 | 159 | 11.7 | 66.86 | 59.57 |
| 16495 | 97.83 | 555.16 | 2.06 | 557.12 | 151.84 |
| 20207 | 97.8 | 99.04 | 8.55 | 46.68 | 30.91 |
| 18967 | 97.8 | 466.22 | 142.66 | 211.17 | 144.3 |
| 19795 | 97.8 | 69.08 | 6.96 | 27.98 | 35.54 |
| 24800 | 97.75 | 303.14 | 24.72 | 139.49 | 67.47 |
| 11150 | 97.75 | 365.35 | 16.97 | 178.11 | 93.05 |
| 25160 | 97.72 | 135.14 | 26.25 | 39.22 | 24.76 |
| 24655 | 97.72 | 43.21 | 0.31 | 46.07 | 17.29 |
| 16109 | 97.7 | 245.38 | 9.16 | 384.71 | 89.62 |
| 18489 | 97.62 | 208.66 | 41.58 | 28.75 | 107.44 |
| 20625 | 97.56 | 1714.38 | 529.76 | 562.44 | 838.87 |
| 21866 | 97.56 | 360.7 | 51.01 | 178.2 | 78.58 |
| 25124 | 97.54 | 106.21 | 8.07 | 55.95 | 34.29 |
| 14965 | 97.49 | 939.38 | 178.14 | 297.07 | 183.06 |
| 492 | 97.49 | 270.17 | 34.15 | 144.71 | 121.53 |
| 25590 | 97.46 | 117.46 | 1.89 | 86.36 | 27.95 |
| 25083 | 97.46 | 82.53 | 25.15 | 28.46 | 17.43 |
| 18480 | 97.43 | 279.58 | 24.9 | 121.42 | 311.09 |
| 3076 | 97.43 | 89.72 | 6.6 | 43.93 | 22.57 |
| 20308 | 97.43 | 105.38 | 8.98 | 52.63 | 19.99 |
| 235 | 97.38 | 293.23 | 32.9 | 167.56 | 83.88 |
| 15629 | 97.38 | 105.54 | 3.57 | 59.2 | 26.08 |
| 25607 | 97.35 | 676.08 | 193.65 | 100.14 | 122.28 |
| 8269 | 97.33 | 1916.49 | 158.27 | 694.71 | 446.74 |
| 20811 | 97.33 | 1242.64 | 13.59 | 1728.83 | 500.77 |
| 17577 | 97.3 | 178.08 | 43.2 | 72.01 | 28.61 |
| 1471 | 97.3 | 59.06 | 1.78 | 39.02 | 24.94 |
| 11849 | 97.3 | 482.84 | 30.95 | 747.58 | 165.43 |
| 5617 | 97.27 | 332.47 | 159.93 | 58.28 | 53.76 |
| 20842 | 97.27 | 255.41 | 5.44 | 356.38 | 71.7 |
| 24857 | 97.25 | 64.93 | 7.44 | 22.78 | 16.34 |

| TABLE 5RR: MENADIONE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19679 | 97.19 | 228.54 | 6.58 | 390.62 | 141.2 |
| 1476 | 97.17 | 311.29 | 15.95 | 568.82 | 199.4 |
| 25399 | 97.11 | 371.57 | 43.31 | 153.04 | 220.19 |
| 25647 | 97.09 | 370.11 | 42.77 | 149.61 | 254.75 |
| 15779 | 97.06 | 74.86 | 3.07 | 38.89 | 29.89 |
| 956 | 97.06 | 286 | 1.91 | 301.35 | 128.58 |
| 1138 | 97.04 | 80.18 | 6.18 | 44.59 | 21.83 |
| 433 | 97.04 | 127.19 | 26.85 | 46.07 | 33.51 |
| 18541 | 97.04 | 752.26 | 22.27 | 1078.37 | 225.89 |
| 317 | 97.01 | 103.78 | 16.88 | 43.86 | 20.51 |
| 5619 | 97.01 | 1308.07 | 344.3 | 429.25 | 221.19 |
| 20626 | 96.96 | 475.22 | 107.28 | 161.8 | 327.05 |
| 15850 | 96.96 | 1101.56 | 6.17 | 1238.77 | 299.76 |
| 19726 | 96.9 | 163.15 | 32.19 | 80.07 | 34.17 |
| 16847 | 96.88 | 528.06 | 9.04 | 717.9 | 171.75 |
| 2643 | 96.85 | 92.03 | 7.9 | 50.89 | 20.77 |
| 25717 | 96.82 | 62.16 | 10.78 | 23.07 | 65.37 |
| 5034 | 96.8 | 485.96 | 15.25 | 751.36 | 202.34 |
| 25756 | 96.8 | 251.81 | 25.85 | 104.29 | 54.32 |
| 23489 | 96.77 | 71.41 | 7.41 | 26.47 | 28.57 |
| 18031 | 96.77 | 143.03 | 11.31 | 86.12 | 30.26 |
| 447 | 96.74 | 68.82 | 14.92 | 29.43 | 12.37 |
| 721 | 96.72 | 65.8 | 15.25 | 28.58 | 13.82 |
| 25671 | 96.72 | 113.37 | 8.71 | 55.13 | 194.9 |
| 997 | 96.69 | 49.38 | 15.13 | 22.19 | 16.2 |
| 16514 | 96.66 | 205.29 | 1.93 | 255.69 | 51.92 |
| 3928 | 96.64 | 90.11 | 3.15 | 54.81 | 22.12 |
| 25662 | 96.64 | 186.81 | 6.23 | 111 | 211.64 |
| 9029 | 96.61 | 196.39 | 23.26 | 379.98 | 189.45 |
| 690 | 96.61 | 93.5 | 34.45 | 33.01 | 15.99 |
| 9428 | 96.59 | 23.12 | 11.7 | 66.01 | 19.69 |
| 517 | 96.59 | 183.96 | 35.09 | 91.48 | 88.44 |
| 990 | 96.56 | 73.35 | 5.22 | 34.56 | 26.65 |

| TABLE 5SS: MENADIONE | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21874 | 98.09 | 714.16 | 66.32 | 274.46 | 146.04 |
| 9370 | 97.9 | 299.4 | 23.36 | 485.34 | 95.13 |
| 14923 | 97.8 | 150.34 | 11.7 | 308.85 | 347.67 |
| 24800 | 97.69 | 412.34 | 114.62 | 138.45 | 64.78 |
| 12306 | 97.42 | 2705.16 | 426 | 1139 | 519.81 |
| 22176 | 97.32 | 293.28 | 49.84 | 103.1 | 67.85 |
| 19721 | 96.92 | 128.44 | 17.6 | 57.91 | 29.23 |
| 18376 | 96.87 | 502.67 | 58.09 | 273.27 | 109.5 |
| 25759 | 96.87 | 204.94 | 50.78 | 52.81 | 44.87 |
| 17885 | 96.84 | 95.34 | 15.92 | 204.96 | 60.6 |
| 17614 | 96.63 | 341.7 | 46.67 | 185.32 | 53 |
| 15679 | 96.6 | 253.35 | 15.46 | 162.28 | 66.86 |
| 7050 | 96.49 | 71.17 | 6.78 | 40.17 | 13.37 |
| 16227 | 96.42 | 237 | 37.94 | 124.19 | 64.63 |
| 5251 | 96.39 | 417.43 | 27.99 | 228.66 | 91.78 |
| 21237 | 96.34 | 167.92 | 22.14 | 86.15 | 33.71 |
| 24672 | 96.23 | 65.83 | 9.07 | 35.55 | 22.26 |
| 9942 | 96.23 | 233.47 | 10.64 | 362.24 | 98.81 |
| 11830 | 96.18 | 1301.73 | 219.19 | 622.18 | 253.4 |
| 18346 | 96.15 | 58.25 | 12.71 | 145.88 | 48.88 |
| 12366 | 96.12 | 161.51 | 16.54 | 95.74 | 35.27 |
| 6308 | 96.02 | 309.42 | 29.51 | 190.29 | 59.01 |
| 15004 | 95.96 | 386.66 | 37.11 | 238.42 | 157.67 |
| 8609 | 95.91 | 211.52 | 25.1 | 123.49 | 35.89 |
| 402 | 95.91 | 2132.63 | 244.34 | 1202.48 | 414.73 |
| 4607 | 95.86 | 179.2 | 36.88 | 92.68 | 37.18 |
| 13581 | 95.83 | 121.37 | 17.67 | 55.1 | 24.94 |
| 6192 | 95.7 | 275.52 | 45.68 | 556.08 | 182.48 |
| 23527 | 95.67 | 153.5 | 20.81 | 74.11 | 40.86 |
| 5057 | 95.41 | 113.91 | 15.63 | 55.81 | 25.98 |
| 6003 | 95.38 | 143.34 | 13.51 | 80.22 | 37.48 |
| 21922 | 95.35 | 82.79 | 18.78 | 204.47 | 78.8 |
| 22619 | 95.33 | 539.43 | 55.17 | 299.6 | 115.07 |
| 1223 | 95.3 | 291.14 | 60.02 | 137.03 | 80.84 |
| 6555 | 95.25 | 153.82 | 16.88 | 253.91 | 68.51 |
| 16960 | 95.19 | 77.51 | 10.08 | 36.63 | 21.24 |
| 6479 | 95.14 | 1532.11 | 75.58 | 1041.33 | 394.73 |
| 15191 | 95.09 | 3244.47 | 431.72 | 1212.21 | 1328.34 |
| 15291 | 95.06 | 110.82 | 9.78 | 70.41 | 39.05 |
| 11057 | 95.03 | 121.35 | 13.49 | 55.43 | 40.56 |
| 24857 | 94.95 | 64.47 | 16.43 | 22.65 | 16.16 |
| 23682 | 94.93 | 431.37 | 47.84 | 245.85 | 101.59 |
| 20308 | 94.93 | 93.81 | 10.91 | 52.52 | 19.92 |
| 16683 | 94.85 | 118.83 | 10.61 | 76.13 | 35.43 |
| 7860 | 94.85 | 76.57 | 12.22 | 31.9 | 25.93 |
| 24300 | 94.82 | 142.98 | 17.44 | 81.11 | 31.92 |
| 3968 | 94.74 | 199.42 | 18 | 135.32 | 34.63 |
| 22783 | 94.66 | 291.56 | 31 | 165.28 | 123.49 |
| 19048 | 94.61 | 69.79 | 12.44 | 29.21 | 19.6 |
| 18289 | 94.58 | 567.01 | 40.2 | 373.03 | 125.1 |
| 15786 | 94.53 | 167.7 | 27.33 | 309.13 | 79.62 |

| TABLE 5SS: MENADIONE | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2329 | 94.53 | 408.53 | 39.92 | 217.64 | 99.54 |
| 11631 | 94.5 | 318.94 | 82.68 | 141.5 | 76.24 |
| 25756 | 94.45 | 233.48 | 36.77 | 103.91 | 53.94 |
| 13027 | 94.45 | 85.08 | 8.75 | 176.1 | 57.93 |
| 16109 | 94.42 | 238.15 | 26.31 | 385.19 | 89.34 |
| 6598 | 94.42 | 381.42 | 57.54 | 182.73 | 84.32 |
| 13377 | 94.32 | 1409.07 | 68.91 | 954.34 | 331.58 |
| 20450 | 94.32 | 130.43 | 20.38 | 72.2 | 28.95 |
| 12974 | 94.29 | 194.88 | 13.16 | 125.27 | 46.52 |
| 20701 | 94.29 | 1366.85 | 185.45 | 880.87 | 393.54 |
| 6845 | 94.24 | 49.02 | 4.89 | 28.18 | 12.7 |
| 4213 | 94.18 | 4824.8 | 285.81 | 4465.41 | 3881.05 |
| 25546 | 94.18 | 68.9 | 13.48 | 28.95 | 36.15 |
| 21152 | 94.16 | 3844.33 | 233.83 | 3592.61 | 2481.52 |
| 17455 | 94.11 | 280.41 | 34.66 | 166.29 | 67.91 |
| 26313 | 94.03 | 116.84 | 15.3 | 66.02 | 35.42 |
| 15776 | 94.03 | 311.51 | 42.17 | 189.48 | 82.54 |
| 21917 | 94.03 | 152.94 | 42.24 | 74.85 | 65.82 |
| 174 | 93.92 | 101.38 | 15.55 | 43.2 | 32.8 |
| 19011 | 93.92 | 431.83 | 92.84 | 288.68 | 89.28 |
| 11889 | 93.87 | 37.05 | 3.38 | 21.77 | 10.49 |
| 19309 | 93.87 | 38.24 | 26.96 | 91.59 | 25.39 |
| 18267 | 93.87 | 346.69 | 66.22 | 126.28 | 106.4 |
| 6274 | 93.84 | 180.9 | 14.7 | 116.03 | 97.86 |
| 19012 | 93.84 | 683.46 | 84.05 | 439.74 | 165.4 |
| 3259 | 93.84 | 83.94 | 51.68 | 243.18 | 76.39 |
| 16401 | 93.81 | 5672.7 | 575.16 | 5366.36 | 5007.6 |
| 10666 | 93.79 | 377.1 | 36.21 | 570.86 | 119.56 |
| 9575 | 93.79 | 257.18 | 44.54 | 447.09 | 109.46 |
| 22791 | 93.79 | 232.74 | 44.91 | 139.38 | 64.05 |
| 2918 | 93.76 | 631.79 | 59.62 | 435.55 | 137.55 |
| 18648 | 93.71 | 65.41 | 7.43 | 36.53 | 22.03 |
| 26267 | 93.71 | 93.67 | 9.33 | 52.82 | 27.89 |
| 13899 | 93.6 | 168.37 | 20.52 | 88.23 | 41.36 |
| 4073 | 93.57 | 95.92 | 16.77 | 251.33 | 144.2 |
| 5263 | 93.55 | 254.49 | 36.09 | 450.62 | 127.69 |
| 3537 | 93.49 | 256.62 | 33.83 | 439.6 | 116.24 |
| 22981 | 93.49 | 312.93 | 27.91 | 194.98 | 67.66 |
| 23674 | 93.44 | 53.43 | 7.81 | 23.63 | 17.57 |
| 1959 | 93.41 | 3101.5 | 192.27 | 2981.8 | 1820.95 |
| 1409 | 93.39 | 228.7 | 40.31 | 411.79 | 113.62 |
| 17334 | 93.39 | 311.96 | 66.11 | 176.67 | 86.64 |
| 2566 | 93.39 | 31.36 | 105.72 | 381.53 | 176.99 |
| 25325 | 93.36 | 1467.89 | 200.42 | 1624.58 | 1181.83 |
| 6304 | 93.31 | 66.67 | 6.46 | 41.92 | 20.93 |
| 22294 | 93.31 | 193.25 | 20.42 | 118.16 | 45.67 |
| 5993 | 93.31 | 51.64 | 10.75 | 20.65 | 16.29 |
| 26349 | 93.28 | 209.41 | 29.13 | 128.94 | 54.75 |
| 23770 | 93.23 | 89.1 | 4.24 | 68.39 | 20.13 |
| 16963 | 93.12 | 5068.31 | 328.3 | 4286.61 | 3539.05 |
| 15190 | 93.12 | 4411.01 | 697.88 | 1828.63 | 1710.94 |

| TABLE 5SS: MENADIONE | | Attorney Docket 44921-5088-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1985828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17109 | 93.04 | 5187.13 | 462.26 | 4958.81 | 4398.12 |
| 16274 | 92.91 | 4458.67 | 382.12 | 4093.23 | 2903.72 |
| 3474 | 92.91 | 197.48 | 25.38 | 320.95 | 79.31 |
| 1719 | 92.86 | 166.34 | 25.52 | 101.77 | 50.65 |
| 395 | 92.78 | 43.75 | 5.33 | 25.65 | 15.97 |
| 25439 | 92.78 | 2727.77 | 250.49 | 2576.25 | 1802.37 |
| 25446 | 92.64 | 79.85 | 7.24 | 52.3 | 30.47 |
| 139 | 92.59 | 68.42 | 12.24 | 41.15 | 21.48 |
| 15601 | 92.35 | 190.48 | 28.78 | 312.34 | 81.87 |
| 889 | 92.35 | 85.09 | 7.78 | 57.34 | 25.47 |
| 111 | 92.27 | 3538.16 | 264.43 | 3155.92 | 2039.91 |
| 818 | 92.22 | 3600.31 | 311.77 | 3418.63 | 2161.05 |
| 14285 | 92.19 | 35.68 | 4.14 | 22.69 | 9.38 |
| 772 | 92.19 | 109.12 | 32.56 | 36.73 | 17.13 |
| 24799 | 91.95 | 695.67 | 144.08 | 304.68 | 123.71 |
| 14983 | 91.9 | 3883.71 | 639.42 | 4036.95 | 3467.99 |
| 20426 | 91.85 | 116.75 | 17.78 | 74 | 29.74 |
| 835 | 91.82 | 35.43 | 3.63 | 23.05 | 10.24 |
| 23178 | 91.66 | 78.23 | 8.46 | 119.12 | 28.82 |
| 16449 | 91.58 | 27.12 | 66.25 | 331.78 | 189.63 |
| 17176 | 91.56 | 1338.78 | 95.82 | 1492.98 | 635.4 |
| 17472 | 91.4 | 2846.34 | 209.95 | 2570.69 | 1603.04 |
| 20410 | 91.39 | 90.58 | 22.39 | 39.72 | 27.34 |
| 23220 | 91.32 | 116.06 | 8.35 | 84.65 | 30.26 |
| 24283 | 91.32 | 107.56 | 13.44 | 58.02 | 37.66 |
| 1877 | 91.32 | 426.48 | 64.69 | 697.44 | 185.8 |
| 8641 | 91.24 | 426.91 | 77.47 | 221.09 | 143.78 |
| 20626 | 91.18 | 303.4 | 46.77 | 161.63 | 327.67 |
| 25608 | 91.15 | 74.76 | 27.7 | 26.37 | 16.94 |
| 4212 | 91.13 | 4734.12 | 342.94 | 4062.27 | 2677.39 |
| 1138 | 91.08 | 71.76 | 10.45 | 44.52 | 21.82 |
| 2106 | 91.05 | 125.59 | 16.64 | 60.79 | 50.43 |
| 20276 | 91.05 | 68.17 | 6.77 | 51.22 | 26.71 |
| 2970 | 91 | 3099.91 | 165.88 | 2296.06 | 1092.69 |
| 20698 | 90.97 | 1661.6 | 250.1 | 895.94 | 446.11 |
| 1264 | 90.89 | 5056.59 | 557.91 | 4271.77 | 3343.11 |
| 24798 | 90.89 | 1216.71 | 246.68 | 568.13 | 194.03 |
| 25431 | 90.87 | 39.42 | 7.5 | 22 | 17.89 |
| 24596 | 90.76 | 81.05 | 2.77 | 77.57 | 44.21 |
| 17653 | 90.75 | 150.35 | 42.3 | 60.9 | 28.22 |
| 8266 | 90.73 | 3791.28 | 322.85 | 3553.27 | 2252.62 |
| 5617 | 90.73 | 225.83 | 118.28 | 57.92 | 53.41 |
| 17111 | 90.73 | 5089.37 | 584.38 | 4309.49 | 3705.27 |
| 24414 | 90.63 | 196.56 | 13.11 | 145.18 | 45.31 |
| 24785 | 90.57 | 108.69 | 14.28 | 66.37 | 28.11 |
| 16275 | 90.52 | 3703.22 | 398.86 | 3434.4 | 2264.74 |
| 13686 | 90.51 | 79.06 | 10.34 | 43.77 | 17.21 |
| 20833 | 90.41 | 522.74 | 92.1 | 784.7 | 162.71 |
| 24362 | 90.41 | 3157.46 | 382.51 | 2972.18 | 1816.13 |
| 22781 | 90.39 | 144.78 | 16.92 | 94.07 | 54.87 |
| 15421 | 90.39 | 386.8 | 25.15 | 521.95 | 110.65 |

| TABLE 5SS: MENADIONE | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 3, 6 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6109 , | 90.39 | 3892.59 | 421.76 | 3587.94 | 2271.51 |
| 109 | 90.36 | 4267.74 | 420.11 | 3932.08 | 2218.07 |
| 1340 | 90.36 | 74.4 | 9.59 | 52.89 | 25.2 |
| 25805 | 90.33 | 101.74 | 19.82 | 50.95 | 18.88 |
| 7897 | 90.31 | 3855.77 | 393.93 | 3453.76 | 2131.21 |
| 1682 | 90.3 | 84.93 | 16.27 | 45.13 | 21.22 |
| 24219 | 90.25 | 593.76 | 96.63 | 379.86 | 188.74 |
| 819 | 90.23 | 3042.17 | 168.2 | 2545.71 | 1186.25 |
| 25607 | 90.2 | 419.03 | 157.7 | 99.54 | 122.38 |
| 20249 | 90.2 | 46.76 | 7.26 | 24.84 | 21.04 |
| 575 | 90.2 | 1737.56 | 370.42 | 901.37 | 304.79 |
| 21123 | 90.18 | 640.81 | 49.15 | 947.96 | 279.54 |
| 25681 | 90.15 | 4723.2 | 312.96 | 3800.99 | 2398.13 |
| 20266 | 90.12 | 196.98 | 21.62 | 135.98 | 68.99 |
| 4590 | 90.04 | 22.67 | 9.97 | 51.5 | 26.92 |

| TABLE 5TT: PHENOBARBITAL | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12160 | 99.57 | 14509.4 | 1799.95 | 1049.44 | 854.7 |
| 20384 | 99.36 | 2701.88 | 410.3 | 150.03 | 155.21 |
| 16619 | 99.36 | 713.25 | 246.34 | 40.9 | 32.13 |
| 25055 | 99.28 | 5929.63 | 1086.36 | 212.08 | 345 |
| 12158 | 99.23 | 5925.29 | 1167.93 | 202.62 | 343.02 |
| 12155 | 99.12 | 6862.7 | 1252.04 | 598.29 | 481.88 |
| 25056 | 99.12 | 7387.16 | 1370.12 | 900.36 | 532.06 |
| 12156 | 99.07 | 8591.53 | 2032.53 | 458.65 | 609.76 |
| 18989 | 99.02 | 4513.32 | 609.96 | 1461.71 | 655.12 |
| 12157 | 99.02 | 9007.72 | 1942.89 | 530.8 | 757.11 |
| 24860 | 98.57 | 2059.71 | 459.96 | 381.67 | 242.66 |
| 17541 | 98.51 | 4033.99 | 520.97 | 1617.79 | 616.82 |
| 20914 | 98.49 | 2651.89 | 1037.07 | 223.6 | 247.17 |
| 1794 | 98.33 | 8380.61 | 2185.02 | 2140.54 | 1183.97 |
| 21903 | 98.27 | 3643.76 | 729.8 | 1515.09 | 462.39 |
| 1793 | 98.19 | 4171.77 | 1131.42 | 1144.07 | 573.64 |
| 15879 | 98.11 | 611.47 | 118.46 | 310.74 | 80.78 |
| 2486 | 97.93 | 1195.54 | 262.49 | 515.34 | 157.1 |
| 1797 | 97.77 | 6145.42 | 1635.04 | 1773.22 | 976.28 |
| 1795 | 97.69 | 2239.55 | 703.59 | 524.16 | 350.78 |
| 21904 | 97.37 | 8156.77 | 1552.69 | 2978.72 | 1550.8 |
| 23930 | 97.32 | 236.88 | 60.38 | 53.1 | 44.14 |
| 25400 | 97.16 | 4568.93 | 802.12 | 1658.37 | 916.05 |
| 20915 | 97.05 | 1964.9 | 773.41 | 527.84 | 347.82 |
| 17091 | 96.76 | 116 | 23.06 | 44.55 | 42.17 |
| 11988 | 96.6 | 139.95 | 37.51 | 56.28 | 26.63 |
| 11153 | 96.28 | 260.25 | 46.26 | 634.11 | 201.28 |
| 17995 | 96.2 | 3547.7 | 563.59 | 1687.45 | 638.23 |
| 21011 | 96.09 | 5332.75 | 1152.88 | 2345.58 | 1043.63 |
| 11152 | 95.75 | 98.68 | 23.39 | 334.96 | 142.03 |
| 21015 | 95.7 | 5743.81 | 998.6 | 2912.28 | 1030.16 |
| 21260 | 95.27 | 299.99 | 54.47 | 128.19 | 78.98 |
| 15124 | 95.09 | 2406.47 | 353.59 | 1345.49 | 441.15 |
| 25525 | 94.93 | 2250.03 | 464.69 | 1343.7 | 361.41 |
| 11150 | 94.87 | 44.26 | 13.71 | 179.12 | 93 |
| 634 | 94.85 | 2521.56 | 315.16 | 1528.26 | 416.14 |
| 12064 | 94.82 | 1068.73 | 193.68 | 606.32 | 195.57 |
| 16703 | 94.82 | 1966.01 | 255.17 | 1165.03 | 381.58 |
| 15125 | 94.79 | 3096.02 | 530.42 | 1641.41 | 615.12 |
| 21013 | 94.74 | 5830.6 | 1551.69 | 2598.03 | 1193.02 |
| 762 | 94.69 | 3038.68 | 633.54 | 1597.05 | 590.38 |
| 18588 | 94.66 | 403.75 | 65.1 | 236.31 | 97.4 |
| 11151 | 94.55 | 221.98 | 55.37 | 509.67 | 187.01 |
| 22979 | 94.1 | 446.42 | 46.16 | 302.55 | 95.45 |
| 20913 | 93.94 | 2688.59 | 2126.02 | 259.45 | 260.34 |
| 1354 | 93.94 | 372.7 | 54.99 | 261.62 | 222.06 |
| 9267 | 93.89 | 2683.56 | 267.74 | 1722.77 | 484.01 |
| 23243 | 93.86 | 3388.07 | 493.94 | 1787.33 | 778.25 |
| 20845 | 93.81 | 437.39 | 59.24 | 243.05 | 112.85 |
| 15127 | 93.38 | 1092.94 | 112.75 | 691.3 | 326.58 |
| 4144 | 93.3 | 388.45 | 17.06 | 510.54 | 116.34 |

| TABLE 5TT: PHENOBARBITAL | | | | | |
|--------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | | Attorney Docket 44921-5038-01-WO | | |
| GLCC | | | Document No. 1935323.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12556 | 93.19 | 471.8 | 169.24 | 58.76 | 95.77 |
| 19271 | 93.15 | 134.66 | 35.71 | 273.31 | 93.74 |
| 7882 | 93.07 | 225.07 | 29.35 | 81.78 | 75.73 |
| 4312 | 92.98 | 521.06 | 266.69 | 61.32 | 146.18 |
| 15955 | 92.88 | 330.93 | 30.29 | 193.64 | 94.59 |
| 635 | 92.88 | 2600.97 | 345.87 | 1568.77 | 481.76 |
| 20090 | 92.83 | 63.15 | 7.18 | 109.83 | 42.39 |
| 24112 | 92.64 | 2163.88 | 366.35 | 1244.91 | 607.68 |
| 12060 | 92.53 | 50.55 | 8.73 | 91.31 | 25.79 |
| 17705 | 92.45 | 82.18 | 9.37 | 131.44 | 38.83 |
| 1796 | 92.37 | 882.48 | 338.68 | 235.11 | 173.14 |
| 5263 | 92.35 | 654.46 | 52.63 | 448.6 | 127.54 |
| 18939 | 92 | 673.45 | 204.98 | 202.49 | 117.42 |
| 5968 | 91.87 | 1151.84 | 215.84 | 708.98 | 247.14 |
| 15166 | 91.84 | 415.88 | 22.37 | 588.85 | 137.61 |
| 4198 | 91.68 | 745.2 | 83.97 | 1092.52 | 231.77 |
| 6633 | 91.6 | 758.67 | 172.56 | 1250.77 | 331.5 |
| 18473 | 91.52 | 942.15 | 242.01 | 433.28 | 208.17 |
| 8872 | 91.49 | 998.09 | 281.52 | 491.49 | 237.66 |
| 14957 | 91.42 | 77.29 | 6.42 | 126.62 | 46.79 |
| 1174 | 91.29 | 4791.97 | 713.92 | 2379.14 | 1388.64 |
| 13364 | 91.23 | 47.42 | 35.62 | 138.45 | 38.39 |
| 20707 | 91.23 | 1399.02 | 196.5 | 601.99 | 294.44 |
| 25725 | 91.17 | 270.08 | 56.84 | 142.09 | 63.02 |
| 16801 | 91.15 | 99.62 | 9.88 | 141.59 | 35.86 |
| 4103 | 91.12 | 382.3 | 55.98 | 198.23 | 68.92 |
| 6524 | 90.97 | 546.51 | 29.95 | 699.53 | 141.78 |
| 2393 | 90.91 | 157.72 | 41.9 | 287.6 | 85.55 |
| 3254 | 90.89 | 237.54 | 7.36 | 257.04 | 90.92 |
| 8212 | 90.83 | 3112.17 | 354.67 | 1975.03 | 728.36 |
| 5794 | 90.78 | 70.25 | 12.28 | 123.81 | 38.5 |
| 17740 | 90.78 | 4008.33 | 523.88 | 2188.6 | 950.26 |
| 5497 | 90.7 | 427.99 | 58.95 | 643.48 | 188.3 |
| 9032 | 90.7 | 823.09 | 122.31 | 603.96 | 158.27 |
| 3259 | 90.67 | 360.08 | 39.26 | 241.8 | 76.74 |
| 3143 | 90.6 | 249.63 | 20.08 | 355.57 | 95.49 |
| 21039 | 90.59 | 720.51 | 176.04 | 236.37 | 176.95 |
| 19319 | 90.54 | 65.92 | 11.77 | 121.34 | 49.96 |
| 23445 | 90.52 | 78.1 | 28.93 | 236.42 | 130.77 |
| 11830 | 90.46 | 377.42 | 38.91 | 626.73 | 257.51 |
| 16781 | 90.44 | 482.82 | 105.22 | 328.26 | 126.29 |
| 4185 | 90.25 | 6527.56 | 558.8 | 4083.35 | 2982.46 |
| 14811 | 90.22 | 106.7 | 34.71 | 41.76 | 24.4 |
| 7460 | 90.14 | 13903.64 | 1196.71 | 8321.17 | 5716.29 |
| 25069 | 90.06 | 663.79 | 261.49 | 202.92 | 247.01 |
| 17082 | 90.04 | 52.62 | 6.86 | 89.47 | 33.8 |
| 17766 | 89.98 | 689 | 57.06 | 487.27 | 93.09 |
| 11755 | 89.96 | 2478.27 | 379.82 | 1553.49 | 581.96 |
| 16701 | 89.82 | 3456.85 | 244.83 | 2268.68 | 714.6 |
| 20889 | 89.8 | 84.13 | 16.75 | 156.56 | 73.91 |
| 4186 | 89.77 | 5001.5 | 445.22 | 3629.64 | 2066.56 |

| TABLE 5TT: PHENOBARBITAL | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18990 | 89.77 | 75.49 | 27.67 | 25.51 | 57.32 |
| 15187 | 89.64 | 63.15 | 9.02 | 108.66 | 43.44 |
| 1430 | 89.58 | 223.43 | 38.49 | 90.18 | 69.26 |
| 21038 | 89.5 | 733.73 | 177.68 | 291.84 | 201.15 |
| 1175 | 89.23 | 1449.5 | 271.46 | 626.21 | 343.54 |
| 18730 | 89.16 | 5379.25 | 576.87 | 2887.14 | 1605.69 |
| 26034 | 89.16 | 132.89 | 28.5 | 52.95 | 59.9 |
| 1853 | 89.11 | 5250.77 | 501.98 | 2960.48 | 1633.18 |
| 21078 | 89.08 | 461.93 | 70.94 | 739.71 | 214.88 |
| 5493 | 89.08 | 73.21 | 10.75 | 54.29 | 64.32 |
| 5496 | 89.05 | 317.11 | 55.78 | 493.63 | 155.54 |
| 25883 | 89 | 3428.03 | 299.6 | 2243.39 | 1051.58 |
| 16564 | 88.92 | 122.78 | 23.49 | 216.29 | 84.95 |
| 17148 | 88.87 | 6457.02 | 555.69 | 3821.55 | 2484.2 |
| 25705 | 88.84 | 562.23 | 37.31 | 744.38 | 198.88 |
| 109 | 88.68 | 6218.69 | 454.19 | 3921.54 | 2212.43 |
| 17805 | 88.68 | 1809.45 | 190.99 | 1268.19 | 279.33 |
| 20404 | 88.66 | 91.37 | 24.29 | 205.76 | 111.45 |
| 14534 | 88.63 | 8788.22 | 991.68 | 4577.37 | 3851.67 |
| 1603 | 88.62 | 707.02 | 82.71 | 459.07 | 120.8 |
| 8266 | 88.58 | 5623.63 | 609.92 | 3543.41 | 2247.9 |
| 23709 | 88.58 | 75.1 | 10.72 | 178.06 | 250.82 |
| 1602 | 88.55 | 629.19 | 74.59 | 465.64 | 108.93 |
| 20849 | 88.52 | 90.37 | 10.03 | 138.46 | 47.97 |
| 17147 | 88.47 | 5523.31 | 565.78 | 3199.37 | 1951.71 |
| 17507 | 88.42 | 302.34 | 20.96 | 428.45 | 115.23 |
| 18640 | 88.23 | 115.7 | 10.2 | 159.23 | 38.33 |
| 13088 | 88.12 | 1836.55 | 198.73 | 1272.65 | 440.08 |
| 17109 | 88.1 | 9993.09 | 1565.35 | 4933.15 | 4382.67 |
| 23069 | 88.02 | 21.58 | 2.62 | 33.26 | 11.81 |
| 16274 | 87.96 | 6083.51 | 623.66 | 4084.4 | 2900.74 |
| 7101 | 87.94 | 2763.75 | 445.77 | 1901.67 | 637.97 |
| 17092 | 87.88 | 126.68 | 17.28 | 80.55 | 46.53 |
| 18899 | 87.86 | 30.42 | 4.35 | 45.83 | 13.43 |
| 2969 | 87.75 | 3421.75 | 431.08 | 2127.84 | 1026.48 |
| 20899 | 87.73 | 46.49 | 3.88 | 69.46 | 24.5 |
| 26047 | 87.69 | 178.16 | 55.21 | 69.79 | 72.09 |
| 15165 | 87.57 | 80.94 | 12.71 | 124.84 | 34.8 |
| 22025 | 87.51 | 4570.37 | 649.96 | 2688.89 | 1734.91 |

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| TABLE SUU: TACRINE | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935328.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20744 | 98.81 | 992.11 | 49.01 | 346.88 | 302.63 |
| 17050 | 98.28 | 379.56 | 51.02 | 189.11 | 45.94 |
| 13369 | 98.2 | 313.84 | 29.32 | 166.05 | 41.94 |
| 19412 | 98.04 | 632.66 | 26.83 | 387.12 | 118.38 |
| 21709 | 97.85 | 308.7 | 21.56 | 193.31 | 46.99 |
| 22513 | 97.67 | 714.42 | 622.68 | 36.75 | 791.9 |
| 18389 | 97.67 | 108.22 | 18.24 | 21.62 | 29.4 |
| 6919 | 97.67 | 1115.56 | 206.3 | 342.91 | 293.47 |
| 21063 | 97.54 | 146.26 | 45.53 | 45.87 | 22.56 |
| 8210 | 97.51 | 439.87 | 119.86 | 126.05 | 86.09 |
| 6060 | 97.48 | 320.41 | 14.26 | 497.63 | 113.5 |
| 12704 | 97.48 | 3225.2 | 738.25 | 1537.63 | 371.36 |
| 19472 | 97.46 | 953.71 | 72.93 | 581.75 | 129.12 |
| 6079 | 97.35 | 108.49 | 8.34 | 60.79 | 91.63 |
| 21980 | 97.32 | 1002 | 119.49 | 504.82 | 160.92 |
| 21209 | 97.27 | 374.82 | 146.99 | 83.28 | 83.82 |
| 12306 | 97.22 | 2938.32 | 781.9 | 1141.7 | 521.75 |
| 24427 | 97.16 | 173.63 | 19.02 | 108.43 | 25.14 |
| 20728 | 97.11 | 422.01 | 24.13 | 263.13 | 83.97 |
| 13166 | 97.06 | 303.12 | 88.37 | 85.31 | 66.01 |
| 633 | 97.03 | 856.71 | 47 | 1338.05 | 288.02 |
| 16762 | 97.01 | 97.61 | 6.27 | 59.29 | 86.96 |
| 24200 | 96.95 | 1448.31 | 479.01 | 437.64 | 246.76 |
| 21062 | 96.85 | 100.66 | 28.74 | 24.9 | 77.86 |
| 344 | 96.82 | 2969.83 | 492.02 | 1274.65 | 554.2 |
| 6236 | 96.74 | 252.53 | 70.23 | 951.24 | 409.13 |
| 23606 | 96.71 | 989.3 | 166.6 | 405.17 | 222.93 |
| 22729 | 96.66 | 319.68 | 12.19 | 182.4 | 79.86 |
| 15558 | 96.42 | 589.95 | 181.9 | 309.41 | 116.18 |
| 5003 | 96.4 | 382.44 | 32.14 | 215.43 | 84.35 |
| 7451 | 96.4 | 1978.62 | 261.09 | 1138.59 | 308.49 |
| 22514 | 96.34 | 132.27 | 49.43 | 53.14 | 79.41 |
| 17590 | 96.34 | 223.78 | 43.2 | 106.05 | 46.42 |
| 19513 | 96.32 | 307.72 | 108.08 | 161.95 | 46.53 |
| 17709 | 96.29 | 137.32 | 33.21 | 37.84 | 42.27 |
| 5110 | 96.16 | 586.14 | 94.86 | 322.81 | 112.64 |
| 1991 | 96.13 | 57.8 | 9.91 | 26.22 | 15.81 |
| 21952 | 96.1 | 90.92 | 14.32 | 48.78 | 17.41 |
| 24508 | 96.08 | 211.47 | 23.6 | 112.86 | 47.28 |
| 20435 | 95.95 | 64.16 | 9.79 | 27.19 | 14.33 |
| 8360 | 95.92 | 176.06 | 5.07 | 239.49 | 62.03 |
| 2939 | 95.87 | 54.55 | 26.97 | 208.22 | 81.78 |
| 3709 | 95.87 | 38.94 | 2.34 | 77.47 | 35.91 |
| 23464 | 95.81 | 704.11 | 117.59 | 418.74 | 110.44 |
| 12438 | 95.79 | 249.67 | 19.56 | 138.33 | 68.02 |
| 18715 | 95.79 | 358.3 | 40.15 | 196.07 | 76.37 |
| 18383 | 95.71 | 1135.08 | 127.59 | 750.34 | 166.53 |
| 2559 | 95.71 | 186.95 | 25.32 | 104.46 | 38.27 |
| 373 | 95.63 | 227.24 | 32.46 | 474.41 | 165.43 |
| 20464 | 95.6 | 1095.35 | 43.55 | 1782.54 | 559.52 |
| 5579 | 95.57 | 257.01 | 69.72 | 137.63 | 47.93 |

| TABLE 5UU: TAGRINE | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935328.1 | | | |
| GLC | GLC | GLC | GLC | GLC | GLC |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24152 | 95.52 | 67 | 1.64 | 89.87 | 38.21 |
| 1286 | 95.5 | 183.35 | 27.33 | 112.79 | 27.95 |
| 5111 | 95.39 | 532.21 | 128.55 | 235.59 | 135.31 |
| 19410 | 95.31 | 172.82 | 39.04 | 88.02 | 30.15 |
| 13420 | 95.28 | 654.46 | 191.67 | 378.53 | 98.34 |
| 7166 | 95.23 | 47.54 | 94.21 | 80.42 | 49.57 |
| 16701 | 95.15 | 1261.86 | 136.13 | 2277.64 | 717.12 |
| 25742 | 95.12 | 80.09 | 17.45 | 39.46 | 20.84 |
| 3082 | 95.07 | 451.48 | 96.44 | 259.74 | 94.84 |
| 2514 | 94.99 | 1247.26 | 322.15 | 547.73 | 284.03 |
| 16533 | 94.97 | 800.73 | 179.26 | 445.22 | 130.9 |
| 6720 | 94.89 | 227.94 | 50.85 | 31.13 | 97.8 |
| 2557 | 94.86 | 68.59 | 16.34 | 35.61 | 16.81 |
| 22927 | 94.86 | 64.14 | 13.24 | 27.73 | 17.99 |
| 12102 | 94.73 | 368.23 | 93.97 | 147.04 | 96.66 |
| 12516 | 94.67 | 1348.53 | 187.49 | 879.19 | 195.66 |
| 12210 | 94.62 | 674.98 | 80.19 | 318.58 | 179.59 |
| 11152 | 94.59 | 646.99 | 94.91 | 332.88 | 141.9 |
| 22011 | 94.59 | 132.87 | 21.89 | 76.56 | 26.13 |
| 23519 | 94.57 | 133.17 | 22.15 | 77.81 | 22.23 |
| 16398 | 94.57 | 839.75 | 91.42 | 527.5 | 137.55 |
| 20 | 94.57 | 625.39 | 97.54 | 346.48 | 136.85 |
| 24204 | 94.54 | 111.5 | 14.67 | 71.97 | 20.1 |
| 22396 | 94.49 | 162.13 | 27.53 | 98.98 | 28.64 |
| 1141 | 94.38 | 256.36 | 14 | 177.05 | 56.18 |
| 1382 | 94.38 | 40.43 | 1.43 | 37.92 | 15.32 |
| 16703 | 94.36 | 585.83 | 91.17 | 1170.81 | 384.69 |
| 2569 | 94.36 | 251.91 | 137.3 | 909.5 | 288.88 |
| 18074 | 94.17 | 60.23 | 9.31 | 36.02 | 21.85 |
| 20701 | 94.14 | 1440.72 | 250.45 | 881.7 | 393.51 |
| 5936 | 94.04 | 68.8 | 6.84 | 23.21 | 31.36 |
| 5131 | 94.04 | 435.41 | 42.67 | 257.14 | 90.74 |
| 23243 | 93.93 | 629.83 | 152.9 | 1798.88 | 784.27 |
| 19150 | 93.93 | 83.76 | 13.27 | 43.56 | 23.05 |
| 21866 | 93.93 | 289.08 | 32.27 | 178.19 | 78.76 |
| 2242 | 93.91 | 4309.63 | 662.67 | 2425.76 | 879.85 |
| 6138 | 93.88 | 384.76 | 68.99 | 227.9 | 68.41 |
| 1084 | 93.83 | 49.31 | 6.12 | 26.71 | 14.04 |
| 18795 | 93.8 | 945.93 | 140.98 | 540.82 | 204.52 |
| 5876 | 93.77 | 1505.45 | 97.31 | 1081.12 | 389.77 |
| 21341 | 93.72 | 498.39 | 73.45 | 857.6 | 303.48 |
| 2568 | 93.67 | 53.46 | 11.11 | 141.53 | 90.79 |
| 11166 | 93.67 | 272.39 | 59.51 | 521.55 | 148.22 |
| 20698 | 93.67 | 1371.7 | 196.62 | 898.34 | 448.29 |
| 410 | 93.64 | 63.01 | 24.82 | 186.91 | 90.68 |
| 11197 | 93.61 | 189.18 | 7.01 | 243.96 | 56.06 |
| 139 | 93.53 | 70.22 | 10.9 | 41.21 | 21.5 |
| 4407 | 93.51 | 205.71 | 11.21 | 143.9 | 57.78 |
| 912 | 93.51 | 501.96 | 42.56 | 353.9 | 126.25 |
| 17062 | 93.51 | 220.93 | 46.01 | 114.24 | 47.55 |
| 24459 | 93.4 | 323.38 | 55.67 | 214.05 | 77.63 |

| TABLE 5UU: TACRINE | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4523 | 93.4 | 132.26 | 28.17 | 63.06 | 32.11 |
| 22314 | 93.35 | 241.61 | 39.08 | 142.54 | 49.87 |
| 6377 | 93.27 | 101.92 | 8.93 | 185.61 | 119.92 |
| 15002 | 93.24 | 189.83 | 11.9 | 141.14 | 75.67 |
| 960 | 93.22 | 124.24 | 17.18 | 215.73 | 65.87 |
| 5050 | 93.22 | 72.57 | 7.85 | 48.14 | 27.95 |
| 13646 | 93.22 | 964.35 | 46.75 | 747.74 | 197.55 |
| 14347 | 93.16 | 1160.18 | 54.48 | 1743.32 | 515.67 |
| 4349 | 93.11 | 59.4 | 9.99 | 24.3 | 17.83 |
| 16708 | 93 | 615.93 | 125.51 | 446.83 | 94.51 |
| 767 | 92.93 | 46.98 | 3.61 | 27.41 | 16.65 |
| 24862 | 92.69 | 306.27 | 47.3 | 200.09 | 58.42 |
| 24066 | 92.66 | 53.9 | 7.05 | 32.6 | 11.99 |
| 15697 | 92.63 | 65.64 | 9.7 | 38.58 | 14.74 |
| 14953 | 92.53 | 522.37 | 37.45 | 387.26 | 80.08 |
| 25366 | 92.4 | 934.17 | 30.04 | 891.92 | 402.32 |
| 25611 | 92.37 | 59.69 | 3.26 | 42.72 | 24.51 |
| 23543 | 92.34 | 868.93 | 81.11 | 586.14 | 160.83 |
| 5257 | 92.34 | 101.39 | 22.95 | 55.82 | 22.48 |
| 1409 | 92.34 | 227.42 | 52.02 | 411.4 | 113.81 |
| 20793 | 92.32 | 158.96 | 13.55 | 109.13 | 30.81 |
| 43 | 92.26 | 671.9 | 74.72 | 434.54 | 131.34 |
| 17433 | 92.26 | 260.91 | 27.83 | 184.07 | 54.65 |
| 7063 | 92.24 | 172.23 | 64.75 | 92.62 | 98.35 |
| 9520 | 92.24 | 148.15 | 23.51 | 90.31 | 30.29 |
| 17517 | 92.18 | 493.07 | 62.8 | 334.21 | 99.78 |
| 19584 | 92.16 | 210.98 | 33.57 | 115.36 | 48.67 |
| 4438 | 92.13 | 67.98 | 14.64 | 38.23 | 21.03 |
| 24205 | 92.1 | 160.74 | 14.55 | 106.87 | 34.36 |
| 17303 | 92 | 53.51 | 13.3 | 32.64 | 13.33 |
| 25768 | 92 | 210.11 | 36.07 | 128.94 | 42.27 |
| 18452 | 91.97 | 398.19 | 128.98 | 1065.41 | 457.59 |
| 799 | 91.89 | 121.66 | 18.13 | 258.08 | 183.73 |
| 1700 | 91.89 | 147.49 | 26.83 | 84.26 | 44.22 |
| 20735 | 91.89 | 307.34 | 83.55 | 189.6 | 132.43 |
| 5617 | 91.76 | 142.38 | 41.03 | 58.49 | 54.93 |
| 20935 | 91.76 | 295.32 | 22.28 | 230.21 | 42.1 |
| 4554 | 91.73 | 125.4 | 23.34 | 77.21 | 40.15 |
| 15339 | 91.65 | 148.59 | 6.71 | 124.41 | 34.48 |
| 21708 | 91.6 | 107.48 | 20.06 | 62.22 | 28.43 |
| 16444 | 91.49 | 152.52 | 7.28 | 123.3 | 50.18 |
| 14184 | 91.49 | 364.58 | 74.74 | 196.86 | 110.06 |
| 515 | 91.49 | 72.75 | 9.3 | 47.46 | 20.74 |
| 17896 | 91.47 | 59.18 | 8.94 | 112.37 | 41.42 |
| 4339 | 91.44 | 201.72 | 28.66 | 140.82 | 39.42 |
| 13092 | 91.44 | 68.66 | 27.49 | 220.65 | 123.7 |
| 2744 | 91.39 | 287.61 | 31.87 | 207.79 | 84.44 |

| TABLE 5VV: THIOACETAMIDE | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14124 | 99.79 | 223.08 | 59.2 | 53.68 | 61.55 |
| 2109 | 99.63 | 1619.05 | 210.49 | 778.74 | 242.65 |
| 14125 | 99.63 | 381.23 | 45.35 | 92.39 | 43.16 |
| 8874 | 99.6 | 224.86 | 97.45 | 33.97 | 93.98 |
| 19456 | 99.52 | 1200.19 | 444.2 | 21.37 | 125.37 |
| 455 | 99.52 | 186.68 | 14.66 | 47.96 | 27.58 |
| 21624 | 99.5 | 2877.58 | 335.23 | 1282.27 | 459.03 |
| 15185 | 99.5 | 596.13 | 178.6 | 59.09 | 95.37 |
| 13023 | 99.5 | 309 | 130.18 | 39.97 | 81 |
| 16457 | 99.47 | 442.4 | 55.93 | 167.91 | 77.21 |
| 4048 | 99.47 | 2162.51 | 746.07 | 45.11 | 215.49 |
| 14126 | 99.44 | 312.13 | 48.4 | 29.67 | 55.07 |
| 17752 | 99.42 | 126.59 | 30.6 | 472.83 | 141.01 |
| 4097 | 99.39 | 215.08 | 51.33 | 36.55 | 22.16 |
| 4095 | 99.39 | 281.42 | 62.64 | 42.25 | 34.21 |
| 574 | 99.34 | 660.26 | 309.17 | 92.67 | 161.05 |
| 2765 | 99.34 | 208.05 | 51 | 37.64 | 22.38 |
| 6315 | 99.26 | 324.55 | 55.22 | 132.38 | 56.1 |
| 24801 | 99.26 | 193.45 | 17.56 | 452.28 | 147.75 |
| 7062 | 99.26 | 543.91 | 144.13 | 101.79 | 101.06 |
| 4049 | 99.23 | 2728.23 | 747.06 | 123.73 | 219.88 |
| 23035 | 99.2 | 101.47 | 35.31 | 622.41 | 217.01 |
| 12314 | 99.2 | 649.3 | 116.43 | 2170.56 | 673.35 |
| 24803 | 99.18 | 326.7 | 95.17 | 969.69 | 348.24 |
| 22684 | 99.15 | 960.68 | 137.46 | 484.73 | 210.89 |
| 15365 | 99.15 | 1904.78 | 267.2 | 708.21 | 344.39 |
| 19040 | 99.15 | 400.52 | 120 | 39.62 | 55.7 |
| 4452 | 99.12 | 348.56 | 58.03 | 1108.26 | 347.16 |
| 20770 | 99.12 | 380.46 | 97.32 | 76.47 | 65.15 |
| 2417 | 99.1 | 647.6 | 74.27 | 322.88 | 83.01 |
| 23173 | 99.1 | 953.61 | 280.91 | 166.15 | 107.37 |
| 6039 | 99.1 | 554.77 | 44.43 | 192.65 | 68.77 |
| 19316 | 99.07 | 246.39 | 87.84 | 44.8 | 34.8 |
| 14840 | 99.07 | 263.13 | 48.08 | 72.01 | 37.06 |
| 4261 | 99.05 | 539.73 | 93.73 | 1139.77 | 209.3 |
| 4098 | 99.05 | 299.73 | 51.77 | 73.32 | 36.79 |
| 23273 | 99.02 | 259.98 | 14.58 | 143.2 | 45.11 |
| 10015 | 99.02 | 441.54 | 77.33 | 137.73 | 48.57 |
| 22321 | 99.02 | 964.01 | 336.32 | 74.11 | 93.51 |
| 20509 | 98.99 | 52.18 | 4.89 | 23.71 | 9.44 |
| 14929 | 98.99 | 728.2 | 332.36 | 119.63 | 77.78 |
| 20589 | 98.99 | 235.16 | 102.85 | 24.59 | 23.52 |
| 22606 | 98.97 | 833.91 | 162.07 | 2170.39 | 530.99 |
| 15409 | 98.94 | 174.22 | 30.55 | 601.57 | 285.07 |
| 2069 | 98.94 | 1001.6 | 187.55 | 447.79 | 87.33 |
| 7197 | 98.94 | 110.59 | 43.53 | 24.68 | 16.08 |
| 24707 | 98.94 | 276.06 | 80.2 | 1264.31 | 453.06 |
| 24040 | 98.91 | 1743.78 | 421.28 | 566.13 | 220.67 |
| 3895 | 98.91 | 184.27 | 68.54 | 26.71 | 21.25 |
| 5175 | 98.91 | 396.37 | 195.53 | 39.48 | 59.89 |
| 20869 | 98.91 | 429.55 | 147.84 | 59.06 | 43.02 |

| TABLE 5VV: THIOACETAMIDE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23731 | 98.89 | 293.68 | 76.54 | 131.71 | 49.58 |
| 20587 | 98.89 | 437.57 | 91.43 | 1017.45 | 250.54 |
| 17480 | 98.89 | 201.94 | 48.87 | 68.06 | 33.02 |
| 25279 | 98.89 | 573.02 | 130.36 | 190.9 | 85.32 |
| 2459 | 98.89 | 313.18 | 236.24 | 26.33 | 38.53 |
| 4491 | 98.86 | 564.41 | 157.03 | 150.36 | 57.65 |
| 2895 | 98.86 | 342.24 | 50.81 | 125.44 | 42.79 |
| 18119 | 98.86 | 455.08 | 59.43 | 177.72 | 55.14 |
| 15012 | 98.83 | 229.04 | 47.87 | 81.9 | 58.92 |
| 16170 | 98.83 | 203.83 | 59.37 | 58.96 | 37.71 |
| 17514 | 98.83 | 119.01 | 46.34 | 531.29 | 139.51 |
| 19407 | 98.83 | 1209.07 | 117 | 598.87 | 154.22 |
| 13482 | 98.81 | 39.09 | 14.34 | 170.17 | 62.14 |
| 1460 | 98.81 | 1298.65 | 187.76 | 282.3 | 147.04 |
| 16813 | 98.78 | 102.95 | 10.12 | 251.19 | 65.04 |
| 7063 | 98.78 | 609.22 | 144.29 | 90.91 | 92.99 |
| 10016 | 98.78 | 362.99 | 69.1 | 91.49 | 46.31 |
| 22607 | 98.75 | 249.94 | 79.92 | 930.14 | 237.47 |
| 21796 | 98.75 | 499.17 | 133.07 | 103.3 | 52.38 |
| 6911 | 98.75 | 53.72 | 13.01 | 234.4 | 74.16 |
| 13317 | 98.73 | 132.99 | 14.51 | 47.48 | 31.71 |
| 22519 | 98.73 | 633.78 | 111.34 | 1691.16 | 425.52 |
| 16650 | 98.73 | 178.76 | 37.85 | 58.5 | 56.41 |
| 10109 | 98.73 | 1783.26 | 105.67 | 1044.79 | 219.56 |
| 13539 | 98.7 | 356.7 | 51.77 | 177.05 | 42.91 |
| 1414 | 98.7 | 184.02 | 39.55 | 41.08 | 20.94 |
| 15258 | 98.67 | 985.59 | 328.35 | 252.54 | 133.47 |
| 3404 | 98.67 | 404.16 | 91.71 | 126.3 | 40 |
| 20868 | 98.67 | 284.65 | 99.4 | 41.25 | 32.69 |
| 12606 | 98.65 | 185.44 | 52.02 | 742.26 | 237.79 |
| 17680 | 98.65 | 1261.07 | 189.79 | 410.62 | 168.29 |
| 15888 | 98.62 | 436.93 | 112.38 | 165.89 | 140.02 |
| 17537 | 98.62 | 199.87 | 28.29 | 105.68 | 37.07 |
| 5421 | 98.62 | 573.42 | 153.2 | 200.26 | 71.05 |
| 7262 | 98.62 | 1756.3 | 308.46 | 565.61 | 225.13 |
| 3090 | 98.62 | 289.95 | 28.26 | 141.16 | 39.16 |
| 4451 | 98.59 | 61.8 | 27.16 | 268.23 | 98.07 |
| 2893 | 98.59 | 976.57 | 164.37 | 420.18 | 100.83 |
| 23013 | 98.59 | 557.16 | 88.62 | 230.95 | 68.99 |
| 21802 | 98.59 | 84.27 | 11.53 | 26.95 | 15.08 |
| 16584 | 98.57 | 184.55 | 107.55 | 22.86 | 38.52 |
| 20771 | 98.57 | 201.07 | 22.61 | 361.5 | 72.1 |
| 11455 | 98.57 | 195.57 | 56.2 | 46.02 | 53.11 |
| 23596 | 98.57 | 443.56 | 133.71 | 1325.62 | 359.5 |
| 4490 | 98.57 | 1056.88 | 347.95 | 303.22 | 131.76 |
| 2896 | 98.57 | 182.71 | 21.98 | 67.2 | 30.68 |
| 18165 | 98.54 | 58.8 | 14.89 | 21.53 | 10.38 |
| 7825 | 98.54 | 254.05 | 33.99 | 111.16 | 42.78 |
| 16581 | 98.51 | 79.68 | 21.93 | 25.33 | 14.43 |
| 14121 | 98.49 | 574.45 | 62.25 | 217.5 | 100.17 |
| 238 | 98.46 | 297.6 | 41.62 | 140.29 | 46.6 |

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| TABLE 5VV: THIOACETAMIDE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19745 | 98.46 | 137.4 | 17.02 | 50.67 | 21.56 |
| 16148 | 98.44 | 433.4 | 97.61 | 1038.95 | 379.87 |
| 12118 | 98.44 | 1855.09 | 531.03 | 263.73 | 163.1 |
| 18068 | 98.41 | 124.18 | 30.54 | 42.01 | 13.89 |
| 16444 | 98.38 | 304.39 | 74.75 | 122.7 | 48.82 |
| 20082 | 98.38 | 241.26 | 86.08 | 39.87 | 42.8 |
| 6912 | 98.36 | 50.84 | 14.35 | 193.82 | 64.3 |
| 1258 | 98.36 | 189.8 | 37.24 | 48.72 | 29.59 |
| 3831 | 98.36 | 125.11 | 29.46 | 34.11 | 24.01 |
| 2005 | 98.25 | 80.77 | 17.62 | 20.25 | 12.86 |
| 22903 | 98.2 | 229.99 | 38.61 | 114.18 | 35.46 |
| 1514 | 98.17 | 178.75 | 53.8 | 53.28 | 21.7 |
| 293 | 98.17 | 49.95 | 18.77 | 236.23 | 84.48 |
| 1427 | 98.17 | 81.09 | 15.86 | 28.02 | 18.51 |
| 7064 | 98.17 | 1227.38 | 220.54 | 331.9 | 194.28 |
| 17255 | 98.17 | 57.63 | 8.67 | 25.94 | 11.03 |
| 1478 | 98.14 | 107.42 | 31.18 | 424.29 | 118.44 |
| 9091 | 98.12 | 92.08 | 20.19 | 23.48 | 18.72 |
| 17502 | 98.09 | 279.3 | 80.84 | 82.71 | 49 |
| 17157 | 98.09 | 93.99 | 30.18 | 23.15 | 16.29 |
| 20243 | 98.09 | 141.12 | 18.84 | 64.38 | 21.5 |
| 24596 | 98.09 | 240.62 | 75.28 | 76.98 | 42.84 |
| 926 | 98.06 | 121.88 | 35.15 | 36 | 21.77 |
| 3775 | 98.06 | 154.21 | 46.43 | 69.04 | 27 |
| 2577 | 98.04 | 165.3 | 12.28 | 78.03 | 31.39 |
| 20755 | 98.04 | 368.9 | 158.2 | 54.73 | 60.37 |
| 10503 | 97.98 | 214.07 | 71.53 | 581.16 | 127.62 |
| 7427 | 97.98 | 156.76 | 45.44 | 32.3 | 29.89 |
| 13974 | 97.98 | 832.49 | 311.33 | 226.92 | 122.72 |
| 1479 | 97.98 | 73.5 | 22.42 | 297.09 | 94.57 |
| 1501 | 97.96 | 1643.15 | 550.04 | 498.03 | 240.13 |
| 16164 | 97.96 | 1010.45 | 60.66 | 688.86 | 284.77 |
| 10504 | 97.96 | 365.02 | 93.93 | 954.97 | 259.72 |
| 17145 | 97.9 | 416.32 | 142.66 | 1095.63 | 285.54 |
| 20843 | 97.9 | 223.81 | 11.93 | 116.14 | 46.18 |
| 20872 | 97.88 | 1365.47 | 196.04 | 762.45 | 261.25 |
| 1382 | 97.85 | 105.2 | 22.24 | 37.68 | 14.71 |
| 3900 | 97.85 | 198.53 | 77.61 | 50.2 | 28.06 |
| 25747 | 97.85 | 1821.76 | 709.75 | 420.97 | 214.57 |
| 4314 | 97.8 | 165.23 | 42.68 | 455.99 | 117.03 |
| 24811 | 97.77 | 300.09 | 158.01 | 1508.75 | 452.88 |
| 11454 | 97.77 | 310.32 | 74.93 | 109.38 | 56.59 |
| 25591 | 97.77 | 93.41 | 26.33 | 29.71 | 16.8 |
| 16950 | 97.75 | 127.28 | 13.45 | 50.76 | 28.32 |
| 15700 | 97.72 | 111.11 | 52.17 | 449.78 | 122.69 |
| 17284 | 97.72 | 59.67 | 19.41 | 184.78 | 54.49 |
| 17562 | 97.72 | 1006.01 | 174.28 | 350.43 | 170.31 |
| 21981 | 97.72 | 493.33 | 102.15 | 1017.07 | 222.52 |
| 457 | 97.69 | 367.87 | 54.5 | 163.1 | 64.56 |
| 22843 | 97.69 | 732 | 64.09 | 404.62 | 116.6 |
| 162 | 97.69 | 191.46 | 76.86 | 53.78 | 29.44 |

| TABLE 5VV: THIOACETAMIDE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 48 hrs | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1809 | 97.67 | 677.84 | 457.09 | 133.38 | 741.34 |
| 24886 | 97.64 | 1945.91 | 243.11 | 1194.71 | 293.98 |
| 23309 | 97.64 | 123.27 | 27.22 | 44.34 | 20.28 |
| 17727 | 97.64 | 66.47 | 21.69 | 26.14 | 9.81 |

| TABLE 5WW: THIOACETAMIDE | | | | | |
|--------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14033 | 99.21 | 657.5 | 45.17 | 340.83 | 96.71 |
| 17653 | 99.21 | 184.86 | 14.68 | 61.06 | 28.41 |
| 23711 | 98.94 | 725.5 | 141.34 | 182.48 | 278.34 |
| 5697 | 98.94 | 408.44 | 41.69 | 154.97 | 66.96 |
| 7913 | 98.89 | 430.86 | 36.33 | 165.15 | 71.3 |
| 19992 | 98.86 | 1063.44 | 29.45 | 622.08 | 218.35 |
| 13686 | 98.86 | 131.19 | 18.26 | 43.75 | 16.88 |
| 12210 | 98.76 | 1207.31 | 226.89 | 317.64 | 175.58 |
| 402 | 98.76 | 2738.68 | 219.57 | 1203.66 | 413.33 |
| 3302 | 98.73 | 555.73 | 33.15 | 260.67 | 89.07 |
| 6919 | 98.73 | 2443.06 | 403.63 | 340.51 | 279.53 |
| 17172 | 98.7 | 318.24 | 16.8 | 204.88 | 39.61 |
| 23478 | 98.7 | 85.85 | 3.84 | 37.64 | 20.59 |
| 6295 | 98.65 | 3057.72 | 331.89 | 1088.56 | 429.31 |
| 1410 | 98.65 | 146.5 | 8.13 | 27.22 | 42.13 |
| 22175 | 98.6 | 327.26 | 59.09 | 77.47 | 55.13 |
| 8715 | 98.6 | 4062.32 | 342.15 | 1559.9 | 641.28 |
| 2060 | 98.6 | 137.82 | 6.76 | 62.58 | 24.74 |
| 4067 | 98.54 | 282.16 | 15.48 | 176.71 | 122.38 |
| 20744 | 98.52 | 1548.32 | 105.8 | 346.04 | 299.28 |
| 23750 | 98.49 | 97.94 | 3.2 | 47.02 | 28.62 |
| 19994 | 98.44 | 302.28 | 18.1 | 164.03 | 76.03 |
| 957 | 98.38 | 157.56 | 4.21 | 95.44 | 47.14 |
| 20350 | 98.33 | 403.71 | 17.74 | 236.11 | 65.24 |
| 11728 | 98.33 | 712.9 | 33.05 | 194.94 | 226.91 |
| 22906 | 98.33 | 2347.54 | 257.33 | 558.52 | 418.61 |
| 18322 | 98.31 | 376.94 | 26.51 | 121.96 | 187.04 |
| 17529 | 98.2 | 143.91 | 0.7 | 136.78 | 40.63 |
| 3152 | 98.17 | 184.67 | 64.82 | 47.09 | 27.21 |
| 18597 | 98.17 | 337.73 | 10.53 | 605.84 | 200.75 |
| 24321 | 98.15 | 484.02 | 15.29 | 801.22 | 261.81 |
| 20426 | 98.12 | 125.32 | 3.41 | 74.1 | 29.77 |
| 22282 | 98.07 | 54.4 | 1.69 | 94.36 | 29.71 |
| 5493 | 98.04 | 104.11 | 5.25 | 54.28 | 64.2 |
| 5989 | 98.04 | 337 | 12.1 | 208.51 | 64.75 |
| 575 | 98.04 | 1778.97 | 102.98 | 903.5 | 308.08 |
| 1921 | 97.99 | 623.54 | 39.08 | 214.75 | 167.5 |
| 2193 | 97.93 | 87.12 | 5.48 | 42.51 | 29.58 |
| 23541 | 97.91 | 226.55 | 16.9 | 84.28 | 68.97 |
| 17740 | 97.88 | 2637.74 | 34.48 | 2197.29 | 958.37 |
| 5496 | 97.88 | 887.74 | 51.96 | 491.86 | 154.79 |
| 18172 | 97.85 | 185.36 | 57.51 | 43.84 | 39.4 |
| 3346 | 97.83 | 63.47 | 3.27 | 28.75 | 28.16 |
| 25934 | 97.8 | 67.64 | 2.96 | 38.72 | 17.94 |
| 13920 | 97.8 | 109.15 | 3.09 | 67.33 | 23.82 |
| 7975 | 97.75 | 563.04 | 49.8 | 364.99 | 71.85 |
| 10176 | 97.64 | 310.81 | 6.2 | 441.18 | 99 |
| 949 | 97.62 | 307.72 | 40.89 | 110.91 | 58.36 |
| 23606 | 97.62 | 1111.88 | 158.29 | 405.22 | 222.56 |
| 172 | 97.59 | 81.43 | 10.88 | 28.49 | 22.11 |
| 173 | 97.48 | 272.67 | 14.77 | 111.97 | 80.97 |

| TABLE 5WW: THIOACETAMIDE | | Attorney Docket 44921-5068-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19143 | 97.48 | 835.62 | 74.9 | 457.19 | 141.76 |
| 2261 | 97.46 | 96.06 | 15.71 | 32.65 | 21.47 |
| 18727 | 97.46 | 1451.99 | 42.38 | 762.41 | 382.24 |
| 24166 | 97.46 | 496.34 | 5.85 | 374.73 | 102.01 |
| 18301 | 97.46 | 466.85 | 88.21 | 147.28 | 93.63 |
| 3925 | 97.46 | 457.08 | 9.64 | 817.58 | 303.37 |
| 2825 | 97.43 | 77.42 | 2.35 | 43.84 | 32.85 |
| 18302 | 97.43 | 721.15 | 177.54 | 145.87 | 135.6 |
| 17844 | 97.4 | 271.49 | 9.18 | 182.97 | 93.69 |
| 6698 | 97.38 | 74.93 | 3.59 | 48.72 | 14.81 |
| 21856 | 97.35 | 21.23 | 6.23 | 92.03 | 48.03 |
| 6297 | 97.35 | 388.09 | 52.22 | 215.96 | 59.88 |
| 6927 | 97.33 | 707.5 | 66.6 | 399.23 | 121.27 |
| 10369 | 97.3 | 307.41 | 25.82 | 175.12 | 59.36 |
| 21708 | 97.27 | 118.43 | 4.79 | 62.22 | 28.41 |
| 5952 | 97.25 | 303.32 | 45.57 | 106.72 | 106.58 |
| 4674 | 97.25 | 127.41 | 50.69 | 550.43 | 207.09 |
| 1440 | 97.25 | 87.43 | 3.87 | 49.47 | 21.5 |
| 25467 | 97.25 | 573.12 | 11.17 | 366.83 | 173.81 |
| 347 | 97.17 | 43.49 | 1.63 | 25.09 | 15.28 |
| 3526 | 97.17 | 103.07 | 7.02 | 170.13 | 45.01 |
| 23268 | 97.17 | 148.43 | 4.87 | 231.59 | 65.24 |
| 25066 | 97.14 | 281.73 | 16.19 | 158.83 | 65.39 |
| 23305 | 97.14 | 188.34 | 17.21 | 91.84 | 45.85 |
| 15267 | 97.14 | 80.97 | 7.26 | 38.37 | 16.47 |
| 16025 | 97.11 | 111.36 | 15.79 | 49.55 | 25.83 |
| 13009 | 97.06 | 236.49 | 40.71 | 118.74 | 45.99 |
| 23273 | 97.06 | 236.23 | 21.37 | 143.44 | 45.43 |
| 18303 | 97.06 | 3010.9 | 700.83 | 843.77 | 661.03 |
| 21467 | 97.06 | 2398.88 | 33.26 | 1604.12 | 770.42 |
| 16769 | 97.03 | 225.38 | 8.31 | 125.56 | 62.1 |
| 13282 | 97.03 | 303.53 | 3.16 | 224.72 | 78.2 |
| 24722 | 97.01 | 507.33 | 27.79 | 823.73 | 217.06 |
| 3114 | 96.98 | 96.51 | 5.93 | 57.04 | 28.69 |
| 13678 | 96.98 | 82 | 5.95 | 34.39 | 23.32 |
| 2486 | 96.98 | 322.56 | 8.42 | 519.36 | 165.18 |
| 9029 | 96.9 | 261.18 | 4.55 | 379.94 | 189.57 |
| 15644 | 96.88 | 2072.1 | 206.07 | 1368.64 | 388.7 |
| 10053 | 96.88 | 119.32 | 25.76 | 37.53 | 29.92 |
| 1877 | 96.85 | 390.68 | 29.09 | 696.8 | 186.01 |
| 23272 | 96.85 | 568.08 | 34.76 | 356.77 | 89.85 |
| 9775 | 96.82 | 415.24 | 84.96 | 129.82 | 108.28 |
| 4063 | 96.82 | 317.93 | 43.41 | 80.5 | 101.28 |
| 7961 | 96.77 | 48.48 | 3.88 | 22.74 | 14.19 |
| 20649 | 96.77 | 2616.76 | 245.94 | 1501.89 | 429.3 |
| 18343 | 96.77 | 274.86 | 3.44 | 226.41 | 52.47 |
| 5138 | 96.77 | 82.11 | 3.48 | 135.56 | 52.22 |
| 2569 | 96.77 | 443.32 | 42.77 | 908.74 | 290.05 |
| 25087 | 96.74 | 234.24 | 17.89 | 98.66 | 75.52 |
| 15679 | 96.74 | 332.61 | 37.51 | 162.36 | 66.6 |
| 1264 | 96.72 | 4840.33 | 136.28 | 4274.31 | 3339.21 |

| TABLE 5WW: THIOACETAMIDE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23166 | 96.72 | 248.02 | 7.48 | 176.15 | 68.62 |
| 21152 | 96.72 | 4311.6 | 122.74 | 3592.28 | 2478.11 |
| 21729 | 96.69 | 838.77 | 17.53 | 645.24 | 336.16 |
| 6055 | 96.66 | 1582.19 | 101.2 | 1088.08 | 232.03 |
| 1552 | 96.58 | 872.01 | 28.99 | 584.3 | 214.07 |
| 1899 | 96.53 | 141.52 | 13.79 | 52.94 | 36.07 |
| 19161 | 96.48 | 1286.6 | 11.72 | 1370.55 | 354.22 |
| 16024 | 96.48 | 166.11 | 17.66 | 94.98 | 31.82 |
| 15642 | 96.45 | 510.86 | 31.54 | 376.27 | 160.6 |
| 5497 | 96.4 | 1004.23 | 60.06 | 641.58 | 187.94 |
| 10660 | 96.37 | 48.34 | 3.3 | 31.03 | 16.56 |
| 25475 | 96.37 | 800.05 | 64.81 | 437.68 | 160.96 |
| 5619 | 96.27 | 908.34 | 71.01 | 429.63 | 223.18 |
| 1146 | 96.24 | 40.39 | 5.42 | 21.23 | 14.04 |
| 5492 | 96.21 | 90.7 | 14.68 | 36.26 | 63.06 |
| 17549 | 96.19 | 642.18 | 5.22 | 656.62 | 147.71 |
| 179 | 96.13 | 293.05 | 58.05 | 144.24 | 47.56 |
| 2434 | 96.13 | 50.76 | 2.45 | 30.43 | 12.92 |
| 20998 | 96.11 | 1137.43 | 12 | 1247.1 | 337.46 |
| 16125 | 96.08 | 33.41 | 7.15 | 93.97 | 39.37 |
| 20741 | 96.05 | 64.24 | 8.85 | 22.08 | 30.26 |
| 1869 | 96.05 | 1449.62 | 19.15 | 1265.87 | 351.34 |
| 15840 | 95.92 | 77.13 | 17.71 | 33.84 | 16.01 |
| 25607 | 95.92 | 440.87 | 149.91 | 100.34 | 123.47 |
| 21707 | 95.87 | 89.47 | 11.87 | 41.19 | 52.85 |
| 20784 | 95.87 | 338.56 | 5.45 | 391.6 | 143.84 |
| 24161 | 95.79 | 286.36 | 15.21 | 460.38 | 124.58 |
| 15677 | 95.76 | 455.72 | 78.28 | 242.76 | 121.7 |
| 1439 | 95.71 | 188.19 | 5.6 | 133.71 | 39.78 |
| 5050 | 95.66 | 66.35 | 2.92 | 48.16 | 27.96 |
| 1920 | 95.66 | 880.51 | 88.13 | 441.38 | 270.77 |
| 1919 | 95.55 | 552.79 | 73.16 | 244.58 | 184.3 |
| 15864 | 95.55 | 89.92 | 5.91 | 160.96 | 51.32 |
| 14595 | 95.5 | 180.94 | 34.32 | 67.91 | 82.77 |
| 16708 | 95.47 | 662.98 | 64.31 | 446.82 | 94.5 |
| 15190 | 95.39 | 4150.22 | 342.24 | 1836.02 | 1715.16 |
| 22823 | 95.39 | 322.64 | 7.29 | 426.99 | 112.39 |
| 3202 | 95.31 | 353.34 | 33.1 | 231.77 | 103.74 |
| 6598 | 95.29 | 342.94 | 23.52 | 183.34 | 85.07 |
| 18290 | 95.29 | 49.85 | 11.27 | 21.26 | 21.72 |
| 11314 | 95.29 | 166.31 | 22.46 | 98.91 | 30.76 |
| 17337 | 95.21 | 48.66 | 2.17 | 38.01 | 65.95 |
| 14606 | 95.21 | 54.87 | 2.01 | 41.73 | 19.48 |
| 5545 | 95.18 | 1594.11 | 22.96 | 1489.58 | 574.68 |
| 15202 | 95.15 | 412.68 | 16.83 | 656.22 | 555.07 |
| 23782 | 95.07 | 131.48 | 1.6 | 123.95 | 33.42 |
| 15489 | 95.07 | 53.9 | 1.48 | 76.52 | 23.8 |
| 18611 | 95.07 | 843.72 | 26.72 | 1142.02 | 541.84 |
| 18209 | 95.05 | 109.88 | 3.95 | 68.77 | 36.1 |
| 13164 | 94.99 | 4041.66 | 216.73 | 3793.34 | 2473.05 |
| 17742 | 94.97 | 2070.82 | 62.01 | 2010.62 | 694.86 |

| TABLE 5WW: THIOACETAMIDE | | Attorney Docket 44921-5098-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15191 | 94.94 | 3269.16 | 461.53 | 1217.54 | 1330.78 |
| 5232 | 94.92 | 139.31 | 8.96 | 254.75 | 89.75 |
| 25529 | 94.89 | 49.13 | 8.01 | 21.73 | 13.23 |
| 12052 | 94.84 | 334.46 | 24.61 | 211.24 | 89.04 |
| 15613 | 94.81 | 503.45 | 47.38 | 1181.78 | 811.56 |
| 17379 | 94.81 | 276.94 | 40.14 | 118.12 | 70.96 |
| 958 | 94.81 | 453.27 | 39.94 | 299.45 | 137.37 |
| 17613 | 94.78 | 387.9 | 14.41 | 306.86 | 126.56 |
| 8592 | 94.78 | 264.37 | 9.68 | 376.87 | 132.8 |
| 8269 | 94.73 | 1731.24 | 296.01 | 694.46 | 446.84 |
| 25430 | 94.73 | 853.41 | 25.21 | 619.73 | 179.59 |
| 22862 | 94.73 | 166.89 | 67.9 | 454.93 | 165.51 |
| 25705 | 94.7 | 582.13 | 11.24 | 743.76 | 198.88 |
| 11260 | 94.7 | 166.95 | 11.81 | 96.22 | 39.99 |
| 9424 | 94.68 | 1294.97 | 49.61 | 1013.46 | 383.65 |

| TABLE 5XX: VALPROATE | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23698 | 98.01 | 864.57 | 65.18 | 356.84 | 407.18 |
| 18958 | 96.87 | 569.08 | 66.29 | 324.63 | 126.12 |
| 17758 | 96.05 | 669.19 | 104.13 | 362.17 | 375.48 |
| 20715 | 94.69 | 946.4 | 153.83 | 382.07 | 430.47 |
| 20711 | 94.67 | 402.29 | 88.77 | 134.67 | 205.03 |
| 12698 | 94.62 | 163.34 | 13.48 | 76.21 | 235.64 |
| 18742 | 94.48 | 550.44 | 80.52 | 344.76 | 188.73 |
| 5887 | 94.46 | 164.28 | 47.66 | 68.45 | 138.61 |
| 14450 | 94.38 | 188.2 | 15.06 | 102.8 | 51.9 |
| 16721 | 94.27 | 408.48 | 63.51 | 259.65 | 73.63 |
| 5465 | 94.22 | 1185.16 | 117.95 | 776.33 | 205.36 |
| 21094 | 94.14 | 511.07 | 89.17 | 232.22 | 144.38 |
| 22604 | 93.98 | 1957.85 | 349.17 | 1027.72 | 469.57 |
| 14937 | 93.74 | 195.36 | 28.59 | 119.35 | 36.98 |
| 18637 | 93.66 | 1062.08 | 136.08 | 2019.61 | 623.11 |
| 16768 | 93.61 | 708.87 | 45.34 | 494.16 | 162.55 |
| 12829 | 93.37 | 535.03 | 45.99 | 379.35 | 90.31 |
| 17289 | 93.34 | 223.5 | 29.48 | 124.16 | 77.25 |
| 26109 | 93.32 | 478.76 | 128.18 | 146.1 | 264.1 |
| 19613 | 93.24 | 2484.11 | 155.65 | 1860.71 | 485.38 |
| 24372 | 93.21 | 220.5 | 21.54 | 140.4 | 43.76 |
| 14887 | 93.16 | 101.8 | 8.43 | 294.94 | 248.64 |
| 18687 | 93.08 | 1073.99 | 196.89 | 660.51 | 590.16 |
| 14191 | 93.08 | 116.01 | 14.38 | 68.03 | 26.34 |
| 18686 | 93.05 | 1263.89 | 201.14 | 706.02 | 613.73 |
| 19433 | 92.79 | 231.66 | 53.54 | 107.01 | 119.22 |
| 6345 | 92.76 | 351.14 | 46.93 | 230.34 | 62.46 |
| 25412 | 92.73 | 29.28 | 7.08 | 68.98 | 31.68 |
| 9192 | 92.6 | 808.14 | 104.63 | 1627.81 | 666.43 |
| 2140 | 92.57 | 163.54 | 17.96 | 92.56 | 59.3 |
| 18780 | 92.44 | 87.19 | 4.42 | 62.98 | 25.42 |
| 5316 | 92.36 | 140.52 | 56.6 | 342.33 | 116.25 |
| 3362 | 92.15 | 39.32 | 11.72 | 91.85 | 36.85 |
| 12964 | 92.12 | 388.64 | 33.77 | 236.19 | 94.18 |
| 18636 | 92.07 | 1077.28 | 301.99 | 2662.77 | 1037.67 |
| 17992 | 92.07 | 144.02 | 35.41 | 77.48 | 53.64 |
| 20846 | 91.99 | 1508.64 | 204.46 | 2740.07 | 862.43 |
| 15637 | 91.99 | 112.28 | 17.02 | 74.85 | 25.76 |
| 21842 | 91.96 | 724.51 | 39.31 | 562.74 | 295.62 |
| 6107 | 91.94 | 141.47 | 25.19 | 92.73 | 56.32 |
| 10157 | 91.86 | 914.83 | 66.38 | 644.19 | 210.59 |
| 16767 | 91.86 | 866.2 | 77.34 | 604.77 | 198.12 |
| 17107 | 91.83 | 1219.63 | 250.98 | 2469.03 | 845.35 |
| 21773 | 91.75 | 120.06 | 7.34 | 91.08 | 45.87 |
| 6502 | 91.75 | 551.97 | 21.82 | 459.49 | 122.37 |
| 15849 | 91.59 | 278.55 | 37.16 | 181.8 | 121.4 |
| 4196 | 91.59 | 148.41 | 21.26 | 86.16 | 93.88 |
| 25204 | 91.51 | 815.06 | 116.69 | 529.94 | 172.12 |
| 1689 | 91.49 | 1533.21 | 844.23 | 4872.17 | 2250.97 |
| 9767 | 91.46 | 20.12 | 1.96 | 34.7 | 21.52 |
| 16420 | 91.43 | 702.05 | 35.62 | 557.06 | 113.3 |

| TABLE 5XX: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12407 | 91.38 | 92.94 | 8.53 | 33.14 | 62.02 |
| 24094 | 91.33 | 1161.19 | 95.45 | 893.26 | 165.34 |
| 2220 | 91.3 | 21.85 | 16.64 | 93.24 | 44.49 |
| 22542 | 91.22 | 1210.34 | 316.06 | 3415.02 | 1417.06 |
| 13647 | 91.22 | 1285.75 | 86.85 | 1021.37 | 339.25 |
| 4956 | 91.17 | 145.82 | 8.43 | 128.28 | 73.69 |
| 368 | 91.17 | 52.04 | 9.44 | 29.77 | 33.47 |
| 21156 | 91.17 | 1398.49 | 277.03 | 5101.55 | 2988.09 |
| 3534 | 91.14 | 115.08 | 4.62 | 147.25 | 58.63 |
| 7502 | 91.11 | 572.44 | 169.15 | 292.86 | 183.92 |
| 18638 | 91.03 | 1417.12 | 287.44 | 2730.97 | 848.83 |
| 19649 | 91.03 | 124.41 | 12 | 84.3 | 25.26 |
| 4914 | 91.03 | 710.48 | 74.36 | 479.7 | 151.09 |
| 17256 | 90.98 | 758.5 | 41.74 | 533.6 | 181.14 |
| 15172 | 90.95 | 130.63 | 57.41 | 355.29 | 216.33 |
| 9307 | 90.93 | 1856.33 | 421.49 | 6268.95 | 3322.8 |
| 2671 | 90.88 | 166.52 | 17.03 | 116.46 | 44.16 |
| 1949 | 90.82 | 93.2 | 7.38 | 63.26 | 32.26 |
| 21941 | 90.8 | 540.12 | 16.29 | 461.77 | 110.52 |
| 19720 | 90.8 | 1016.28 | 250.22 | 3549.5 | 1897.3 |
| 18612 | 90.74 | 117.59 | 5.93 | 101.76 | 38.81 |
| 17240 | 90.72 | 1591.23 | 264.31 | 3690.66 | 1526.24 |
| 17941 | 90.72 | 1705.16 | 340.78 | 3541.35 | 1239.21 |
| 11623 | 90.69 | 1585.18 | 420.93 | 3572.83 | 1414.16 |
| 14459 | 90.64 | 1664.5 | 333.83 | 4372.25 | 2008.92 |
| 25725 | 90.64 | 201.61 | 18.87 | 142.54 | 63.66 |
| 19358 | 90.56 | 335.41 | 234.58 | 1034.34 | 444.03 |
| 7460 | 90.56 | 1447.28 | 503.16 | 8376.31 | 5711.12 |
| 17809 | 90.5 | 63.61 | 6.35 | 43.17 | 20.4 |
| 8285 | 90.48 | 65.26 | 2.84 | 64.85 | 30.14 |
| 16175 | 90.42 | 1734.36 | 450.11 | 3006.78 | 797.96 |
| 17654 | 90.4 | 527.63 | 37.95 | 357.17 | 165.34 |
| 5712 | 90.4 | 57.55 | 9.67 | 117.5 | 53.07 |
| 15107 | 90.4 | 685.72 | 260.22 | 3951.42 | 2643.29 |
| 11213 | 90.37 | 1104.28 | 35.89 | 1088.32 | 262.5 |
| 12729 | 90.34 | 76.66 | 12.1 | 29.95 | 88.53 |
| 16718 | 90.34 | 484.99 | 118.18 | 1026.56 | 426.88 |
| 22379 | 90.34 | 251.56 | 47.06 | 472.98 | 216.64 |
| 9597 | 90.32 | 769.59 | 317.08 | 2903.6 | 1782.33 |
| 24162 | 90.32 | 1035.37 | 45.75 | 1215.11 | 343.73 |
| 6455 | 90.24 | 1919.19 | 323.32 | 3670.12 | 1300.74 |
| 21242 | 90.24 | 590.38 | 79.78 | 388.78 | 129.01 |
| 6277 | 90.13 | 469.67 | 25.49 | 382.45 | 89.67 |
| 8213 | 90.05 | 1605.76 | 284.59 | 3449.73 | 1392.56 |
| 20823 | 90.03 | 2271.06 | 461.65 | 4078.81 | 1322.22 |
| 1301 | 90 | 710.94 | 159.69 | 1379.87 | 963.99 |
| 15638 | 89.97 | 70.36 | 11.43 | 37.54 | 26.17 |
| 18936 | 89.92 | 965.06 | 136.66 | 1618.56 | 474.65 |
| 6329 | 89.92 | 1498.01 | 311.83 | 4964.46 | 2759.61 |
| 15408 | 89.87 | 496.5 | 105.27 | 291.8 | 164.86 |
| 18457 | 89.76 | 240.8 | 32.56 | 153.91 | 54.94 |

| TABLE 5X: VALPROATE | | | | | |
|--------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | | Attorney Docket 44921-5038-01-WO | | |
| | | | Document No. 1935823.1 | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18628 | 89.6 | 907.41 | 117.56 | 1450.82 | 395.72 |
| 7637 | 89.51 | 73.34 | 27.64 | 29.36 | 14.81 |
| 18630 | 89.5 | 43.93 | 7.32 | 28.84 | 19.07 |
| 20724 | 89.42 | 129.06 | 13.73 | 84.89 | 33.2 |
| 1391 | 89.36 | 137.56 | 11.95 | 97.71 | 30.33 |
| 9124 | 89.34 | 485.07 | 50.76 | 377 | 101.38 |
| 6653 | 89.28 | 830.4 | 93.61 | 600.19 | 144.19 |
| 14504 | 89.23 | 193.86 | 27.28 | 143.51 | 178.6 |
| 15340 | 89.06 | 69.9 | 15.13 | 41.14 | 10.49 |
| 13480 | 88.97 | 943.91 | 57.53 | 727.01 | 183.71 |
| 31 | 88.97 | 491.78 | 51.48 | 336.52 | 102.2 |
| 6912 | 88.91 | 287.28 | 41.05 | 192.94 | 64.6 |
| 1877 | 88.91 | 915.58 | 61.13 | 695.34 | 186.18 |
| 18957 | 88.67 | 669.41 | 87.85 | 370.05 | 148.77 |
| 1728 | 88.65 | 319.76 | 41.83 | 250.03 | 114.42 |
| 15462 | 88.65 | 688.54 | 39.2 | 544.83 | 120.31 |
| 17290 | 88.61 | 342.44 | 109.85 | 176.04 | 95.2 |
| 2830 | 88.53 | 480.81 | 74.77 | 302.61 | 68.84 |
| 15980 | 88.51 | 87.93 | 7.82 | 63.44 | 23.3 |
| 1542 | 88.51 | 333.53 | 54.06 | 227.68 | 86.93 |
| 25644 | 88.49 | 526.27 | 60.01 | 339.06 | 180.51 |
| 853 | 88.41 | 826.1 | 151.31 | 454.81 | 238.58 |
| 17787 | 88.36 | 635.52 | 51.97 | 1566.79 | 1003.66 |
| 17284 | 88.2 | 252.62 | 24.41 | 184.06 | 54.85 |
| 107 | 88.19 | 326.08 | 81.64 | 129.2 | 72 |
| 17237 | 88.19 | 384.32 | 80.65 | 229.17 | 60.98 |
| 9929 | 88.06 | 844.74 | 76.52 | 671.49 | 182.55 |
| 21424 | 88.04 | 660.38 | 72.95 | 492.38 | 123.46 |
| 14953 | 87.98 | 488.75 | 46.12 | 387.24 | 80.16 |
| 3549 | 87.93 | 275.64 | 34.39 | 201.23 | 82.02 |
| 15621 | 87.76 | 566.49 | 83.33 | 369.32 | 89.2 |
| 14881 | 87.75 | 1044.64 | 138.55 | 1704.91 | 636.28 |
| 40 | 87.69 | 510.83 | 67.57 | 362.72 | 186.44 |
| 16780 | 87.47 | 505.81 | 68.58 | 309.18 | 111.74 |
| 17571 | 87.37 | 292.38 | 39.42 | 228.41 | 57.78 |
| 25468 | 87.35 | 801.88 | 493.93 | 2330.1 | 1100.94 |
| 2480 | 87.32 | 312.02 | 28.4 | 234.99 | 74.25 |
| 20714 | 87.29 | 834.07 | 204.49 | 567.74 | 703.63 |
| 4449 | 87.24 | 331.63 | 39.44 | 238.4 | 93.3 |
| 20776 | 87.24 | 44.07 | 5.91 | 29.47 | 12.54 |
| 20481 | 87.23 | 175.64 | 48.93 | 96.78 | 34.85 |
| 20057 | 87.18 | 268.06 | 63.12 | 139.68 | 54.54 |
| 14882 | 87.08 | 849.4 | 143.25 | 1301.88 | 416.62 |
| 64 | 87.07 | 241.43 | 61.1 | 134.1 | 43.68 |
| 23203 | 87.05 | 185.72 | 51.14 | 102.53 | 42.82 |
| 9125 | 87 | 672.86 | 23.21 | 636.51 | 138.72 |
| 2831 | 86.94 | 406.28 | 112.72 | 249.86 | 81.54 |
| 25469 | 86.84 | 623.21 | 308.3 | 1632.67 | 752.14 |
| 317 | 86.71 | 30.87 | 3.51 | 44 | 20.66 |
| 4573 | 86.63 | 991.46 | 117.12 | 1270.18 | 234.31 |
| 1695 | 86.5 | 20.99 | 9.06 | 58.33 | 36.53 |

| TABLE 5XX: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24707 | 86.39 | 858.13 | 96.24 | 1262.15 | 456.36 |
| 12118 | 86.39 | 128.64 | 30.31 | 270.14 | 191.82 |
| 16227 | 86.37 | 92.61 | 7.47 | 124.84 | 65.08 |
| 20133 | 86.34 | 58.33 | 2.78 | 53.93 | 35.7 |
| 1058 | 86.31 | 293.74 | 39.68 | 231.15 | 142.22 |
| 16895 | 86.29 | 981.29 | 178.8 | 1714.67 | 560.79 |
| 17161 | 86.21 | 921.52 | 109.1 | 787.54 | 372.15 |
| 670 | 86.21 | 912.89 | 115.96 | 1208.83 | 267.82 |
| 11353 | 86.2 | 139.69 | 41.19 | 92.3 | 33.81 |
| 9841 | 86.18 | 1573.12 | 179.4 | 2171.05 | 563.5 |
| 4360 | 86.05 | 126.15 | 41.6 | 264.82 | 128.89 |
| 21078 | 86.02 | 893.7 | 55.83 | 737.66 | 215.48 |
| 12496 | 85.92 | 108.37 | 13.93 | 76.33 | 29.99 |
| 17187 | 85.91 | 59.95 | 13.03 | 31.54 | 17.07 |
| 4392 | 85.86 | 1356.7 | 232.83 | 2202.58 | 661.19 |
| 1359 | 85.85 | 194.12 | 42.29 | 122.69 | 33.72 |
| 746 | 85.84 | 31.64 | 12.59 | 125.53 | 81.76 |

| TABLE 5Y: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17758 | 96.05 | 669.19 | 104.13 | 362.17 | 375.48 |
| 16721 | 94.27 | 408.48 | 63.51 | 259.65 | 73.63 |
| 12829 | 93.37 | 535.03 | 45.99 | 379.35 | 90.31 |
| 26109 | 93.32 | 478.76 | 128.18 | 146.1 | 264.1 |
| 18687 | 93.08 | 1073.99 | 196.89 | 660.51 | 590.16 |
| 18686 | 93.05 | 1263.89 | 201.14 | 706.02 | 613.73 |
| 19433 | 92.79 | 231.66 | 53.54 | 107.01 | 119.22 |
| 6345 | 92.76 | 351.14 | 46.93 | 230.34 | 62.46 |
| 9192 | 92.6 | 808.14 | 104.63 | 1627.81 | 666.43 |
| 5316 | 92.36 | 140.52 | 56.6 | 342.33 | 116.25 |
| 12964 | 92.12 | 388.64 | 33.77 | 236.19 | 94.18 |
| 17992 | 92.07 | 144.02 | 35.41 | 77.48 | 53.64 |
| 18636 | 92.07 | 1077.28 | 301.99 | 2662.77 | 1037.67 |
| 20846 | 91.99 | 1508.64 | 204.46 | 2740.07 | 862.43 |
| 6107 | 91.94 | 141.47 | 25.19 | 92.73 | 56.32 |
| 16767 | 91.86 | 866.2 | 77.34 | 604.77 | 198.12 |
| 10157 | 91.86 | 914.83 | 66.38 | 644.19 | 210.59 |
| 17107 | 91.83 | 1219.63 | 250.98 | 2469.03 | 845.35 |
| 15849 | 91.59 | 278.55 | 37.16 | 181.8 | 121.4 |
| 1689 | 91.49 | 1533.21 | 844.23 | 4872.17 | 2250.97 |
| 9767 | 91.46 | 20.12 | 1.96 | 34.7 | 21.52 |
| 2220 | 91.3 | 21.85 | 16.64 | 93.24 | 44.49 |
| 13647 | 91.22 | 1285.75 | 86.85 | 1021.37 | 339.25 |
| 22542 | 91.22 | 1210.34 | 316.06 | 3415.02 | 1417.06 |
| 21156 | 91.17 | 1398.49 | 277.03 | 5101.55 | 2988.09 |
| 368 | 91.17 | 52.04 | 9.44 | 29.77 | 33.47 |
| 4956 | 91.17 | 145.82 | 8.43 | 128.28 | 73.69 |
| 3534 | 91.14 | 115.08 | 4.62 | 147.25 | 58.63 |
| 19649 | 91.03 | 124.41 | 12 | 84.3 | 25.26 |
| 18638 | 91.03 | 1417.12 | 287.44 | 2730.97 | 848.83 |
| 15172 | 90.95 | 130.63 | 57.41 | 355.29 | 216.33 |
| 9307 | 90.93 | 1856.33 | 421.49 | 6268.95 | 3322.8 |
| 2671 | 90.88 | 166.52 | 17.03 | 116.46 | 44.16 |
| 1949 | 90.82 | 93.2 | 7.38 | 63.26 | 32.26 |
| 19720 | 90.8 | 1016.28 | 250.22 | 3549.5 | 1897.3 |
| 18612 | 90.74 | 117.59 | 5.93 | 101.76 | 38.81 |
| 17941 | 90.72 | 1705.16 | 340.78 | 3541.35 | 1239.21 |
| 17240 | 90.72 | 1591.23 | 264.31 | 3690.66 | 1526.24 |
| 11623 | 90.69 | 1585.18 | 420.93 | 3572.83 | 1414.16 |
| 14459 | 90.64 | 1664.5 | 333.83 | 4372.25 | 2008.92 |
| 7460 | 90.56 | 1447.28 | 503.16 | 8376.31 | 5711.12 |
| 19358 | 90.56 | 335.41 | 234.58 | 1034.34 | 444.03 |
| 17809 | 90.5 | 63.61 | 6.35 | 43.17 | 20.4 |
| 16175 | 90.42 | 1734.36 | 450.11 | 3006.78 | 797.96 |
| 15107 | 90.4 | 685.72 | 260.22 | 3951.42 | 2643.29 |
| 5712 | 90.4 | 57.55 | 9.67 | 117.5 | 53.07 |
| 16718 | 90.34 | 484.99 | 118.18 | 1026.56 | 426.88 |
| 24162 | 90.32 | 1035.37 | 45.75 | 1215.11 | 343.73 |
| 9597 | 90.32 | 769.59 | 317.08 | 2903.6 | 1782.33 |
| 21242 | 90.24 | 590.38 | 79.78 | 388.78 | 129.01 |
| 6455 | 90.24 | 1919.19 | 323.32 | 3670.12 | 1300.74 |

| TABLE 5YY: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 8213 | 90.05 | 1605.76 | 284.59 | 3449.73 | 1392.56 |
| 20823 | 90.03 | 2271.06 | 461.65 | 4078.81 | 1322.22 |
| 15638 | 89.97 | 70.36 | 11.43 | 37.54 | 26.17 |
| 6329 | 89.92 | 1498.01 | 311.83 | 4964.46 | 2759.61 |
| 18936 | 89.92 | 965.06 | 136.66 | 1618.56 | 474.65 |
| 15408 | 89.87 | 496.5 | 105.27 | 291.8 | 164.86 |
| 19384 | 89.81 | 1231.64 | 185.84 | 2639.3 | 1353.84 |
| 576 | 89.81 | 1989.75 | 480.88 | 5070.57 | 2322.75 |
| 14042 | 89.76 | 1447.11 | 488.97 | 8030.24 | 5338.27 |
| 18457 | 89.76 | 240.8 | 32.56 | 153.91 | 54.94 |
| 3476 | 89.76 | 79.91 | 18.88 | 28.04 | 43.14 |
| 17391 | 89.76 | 2008.07 | 337.17 | 2374.79 | 1766.76 |
| 14561 | 89.68 | 124.89 | 11.69 | 181.53 | 57.96 |
| 19884 | 89.66 | 2138.86 | 333.83 | 5272.04 | 2646.9 |
| 13296 | 89.6 | 144.15 | 16.97 | 94.75 | 54.33 |
| 18628 | 89.6 | 907.41 | 117.56 | 1450.82 | 395.72 |
| 19427 | 89.55 | 1358.77 | 206.78 | 3992.97 | 2472.28 |
| 5954 | 89.55 | 2109.39 | 395.87 | 3641.67 | 1154.01 |
| 16915 | 89.55 | 1933.65 | 374.05 | 5652.26 | 3070.22 |
| 7637 | 89.51 | 73.34 | 27.64 | 29.36 | 14.81 |
| 18630 | 89.5 | 43.93 | 7.32 | 28.84 | 19.07 |
| 230 | 89.47 | 1634.63 | 359.74 | 3128.37 | 1037.43 |
| 2103 | 89.44 | 1292.91 | 346.45 | 2439.52 | 1122.41 |
| 20724 | 89.42 | 129.06 | 13.73 | 84.89 | 33.2 |
| 14540 | 89.42 | 502.81 | 142.08 | 1231.83 | 485.31 |
| 19827 | 89.39 | 770 | 213.42 | 1855.83 | 785.06 |
| 1391 | 89.36 | 137.56 | 11.95 | 97.71 | 30.33 |
| 11190 | 89.36 | 271.67 | 12.89 | 236.6 | 83.37 |
| 6001 | 89.36 | 203.57 | 15.3 | 187.49 | 99.46 |
| 9124 | 89.34 | 485.07 | 50.76 | 377 | 101.38 |
| 12426 | 89.33 | 188.17 | 106.67 | 25.52 | 58.19 |
| 4271 | 89.33 | 313.16 | 92.08 | 59.04 | 134.42 |
| 17144 | 89.28 | 1486.63 | 273.26 | 4746.29 | 2999.63 |
| 6653 | 89.28 | 830.4 | 93.61 | 600.19 | 144.19 |
| 14504 | 89.23 | 193.86 | 27.28 | 143.51 | 178.6 |
| 11585 | 89.23 | 229.71 | 29.55 | 368.66 | 109.19 |
| 18905 | 89.2 | 840.58 | 134.95 | 1259.96 | 289.72 |
| 18765 | 89.15 | 1805.18 | 366.77 | 2858.43 | 864.44 |
| 9735 | 89.15 | 184.31 | 7.42 | 170.61 | 55.8 |
| 18002 | 89.15 | 1522.4 | 140.08 | 2314.39 | 800.74 |
| 1807 | 89.1 | 1778.27 | 388.13 | 4614.36 | 2631.62 |
| 15340 | 89.06 | 69.9 | 15.13 | 41.14 | 10.49 |
| 22828 | 89.05 | 53.75 | 13.31 | 22.37 | 34.14 |
| 16656 | 89.02 | 210.26 | 41.9 | 345.35 | 95.64 |
| 21224 | 89.02 | 251.69 | 23.29 | 184.47 | 52.29 |
| 7214 | 89.02 | 150.91 | 10.31 | 121.88 | 62.76 |
| 31 | 88.97 | 491.78 | 51.48 | 336.52 | 102.2 |
| 13480 | 88.97 | 943.91 | 57.53 | 727.01 | 183.71 |
| 6912 | 88.91 | 287.28 | 41.05 | 192.94 | 64.6 |
| 1877 | 88.91 | 915.58 | 61.13 | 695.34 | 186.18 |
| 2056 | 88.91 | 55.51 | 5.67 | 32.79 | 23.14 |

| TABLE 5YY: VALPROATE | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18957 | 88.67 | 669.41 | 87.85 | 370.05 | 148.77 |
| 1728 | 88.65 | 319.76 | 41.83 | 250.03 | 114.42 |
| 15462 | 88.65 | 688.54 | 39.2 | 544.83 | 120.31 |
| 17290 | 88.61 | 342.44 | 109.85 | 176.04 | 95.2 |
| 2830 | 88.53 | 480.81 | 74.77 | 302.61 | 68.84 |
| 15980 | 88.51 | 87.93 | 7.82 | 63.44 | 23.3 |
| 1542 | 88.51 | 333.53 | 54.06 | 227.68 | 86.93 |
| 25644 | 88.49 | 526.27 | 60.01 | 339.06 | 180.51 |
| 853 | 88.41 | 826.1 | 151.31 | 454.81 | 238.58 |
| 17787 | 88.36 | 635.52 | 51.97 | 1566.79 | 1003.66 |
| 17284 | 88.2 | 252.62 | 24.41 | 184.06 | 54.85 |
| 107 | 88.19 | 326.08 | 81.64 | 129.2 | 72 |
| 17237 | 88.19 | 384.32 | 80.65 | 229.17 | 60.98 |
| 9929 | 88.06 | 844.74 | 76.52 | 671.49 | 182.55 |
| 21424 | 88.04 | 660.38 | 72.95 | 492.38 | 123.46 |
| 14953 | 87.98 | 488.75 | 46.12 | 387.24 | 80.16 |
| 3549 | 87.93 | 275.64 | 34.39 | 201.23 | 82.02 |
| 15621 | 87.76 | 566.49 | 83.33 | 369.32 | 89.2 |
| 14881 | 87.75 | 1044.64 | 138.55 | 1704.91 | 636.28 |
| 40 | 87.69 | 510.83 | 67.57 | 362.72 | 186.44 |
| 16780 | 87.47 | 505.81 | 68.58 | 309.18 | 111.74 |
| 17571 | 87.37 | 292.38 | 39.42 | 228.41 | 57.78 |
| 25468 | 87.35 | 801.88 | 493.93 | 2330.1 | 1100.94 |
| 2480 | 87.32 | 312.02 | 28.4 | 234.99 | 74.25 |
| 20714 | 87.29 | 834.07 | 204.49 | 567.74 | 703.63 |
| 4449 | 87.24 | 331.63 | 39.44 | 238.4 | 93.3 |
| 20776 | 87.24 | 44.07 | 5.91 | 29.47 | 12.54 |
| 20481 | 87.23 | 175.64 | 48.93 | 96.78 | 34.85 |
| 20057 | 87.18 | 268.06 | 63.12 | 139.68 | 54.54 |
| 14882 | 87.08 | 849.4 | 143.25 | 1301.88 | 416.62 |
| 64 | 87.07 | 241.43 | 61.1 | 134.1 | 43.68 |
| 23203 | 87.05 | 185.72 | 51.14 | 102.53 | 42.82 |
| 9125 | 87 | 672.86 | 23.21 | 636.51 | 138.72 |
| 2831 | 86.94 | 406.28 | 112.72 | 249.86 | 81.54 |
| 25469 | 86.84 | 623.21 | 308.3 | 1632.67 | 752.14 |
| 317 | 86.71 | 30.87 | 3.51 | 44 | 20.66 |
| 4573 | 86.63 | 991.46 | 117.12 | 1270.18 | 234.31 |
| 1695 | 86.5 | 20.99 | 9.06 | 58.33 | 36.53 |
| 24707 | 86.39 | 858.13 | 96.24 | 1262.15 | 456.36 |
| 12118 | 86.39 | 128.64 | 30.31 | 270.14 | 191.82 |
| 16227 | 86.37 | 92.61 | 7.47 | 124.84 | 65.08 |
| 20133 | 86.34 | 58.33 | 2.78 | 53.93 | 35.7 |
| 1058 | 86.31 | 293.74 | 39.68 | 231.15 | 142.22 |
| 16895 | 86.29 | 981.29 | 178.8 | 1714.67 | 560.79 |
| 17161 | 86.21 | 921.52 | 109.1 | 787.54 | 372.15 |
| 670 | 86.21 | 912.89 | 115.96 | 1208.83 | 267.82 |
| 11353 | 86.2 | 139.69 | 41.19 | 92.3 | 33.81 |
| 9841 | 86.18 | 1573.12 | 179.4 | 2171.05 | 563.5 |
| 4360 | 86.05 | 126.15 | 41.6 | 264.82 | 128.89 |
| 21078 | 86.02 | 893.7 | 55.83 | 737.66 | 215.48 |
| 12496 | 85.92 | 108.37 | 13.93 | 76.33 | 29.99 |

| TABLE 5YY: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 96 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17187 | 85.91 | 59.95 | 13.03 | 31.54 | 17.07 |
| 4392 | 85.86 | 1356.7 | 232.83 | 2202.58 | 661.19 |
| 1359 | 85.85 | 194.12 | 42.29 | 122.69 | 33.72 |
| 17807 | 85.84 | 1121.63 | 212.64 | 2051.02 | 728.09 |
| 746 | 85.84 | 31.64 | 12.59 | 125.53 | 81.76 |
| 20762 | 85.8 | 108.41 | 21.89 | 71.3 | 19.6 |
| 172 | 85.78 | 28.91 | 3.05 | 28.6 | 22.27 |
| 16535 | 85.73 | 783.21 | 62.31 | 1179.13 | 436.73 |
| 5749 | 85.62 | 272.46 | 36.76 | 197.2 | 85.52 |
| 17757 | 85.59 | 123.09 | 26.53 | 69.35 | 27.49 |
| 12299 | 85.57 | 818.25 | 125.16 | 1162.99 | 301.27 |
| 20597 | 85.54 | 1074.36 | 211.93 | 1853.72 | 668.77 |
| 16131 | 85.49 | 1490.04 | 139.8 | 2034.25 | 935.42 |
| 17516 | 85.46 | 374.19 | 74.96 | 249.72 | 78.9 |
| 17306 | 85.44 | 1187.09 | 358.14 | 2604.43 | 1272.93 |
| 10623 | 85.41 | 680.84 | 84.92 | 1105.32 | 503.99 |
| 25024 | 85.36 | 898.49 | 145.44 | 1409.02 | 555.09 |
| 10622 | 85.33 | 926.52 | 116.8 | 1557.32 | 699.47 |
| 8212 | 85.33 | 1180.62 | 164.64 | 1984.01 | 731.18 |

| TABLE 5ZZ: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23262 | 99.87 | 159.96 | 10.77 | 47.61 | 16.47 |
| 15886 | 99.81 | 411.58 | 7.61 | 207.21 | 58.54 |
| 12228 | 99.76 | 351.58 | 43.32 | 81.87 | 56.7 |
| 19120 | 99.74 | 97.16 | 4.58 | 22.46 | 16.56 |
| 19655 | 99.68 | 211.96 | 11.1 | 81.02 | 32.38 |
| 17953 | 99.63 | 354.46 | 11.66 | 157.25 | 45.88 |
| 7051 | 99.6 | 124.41 | 23.53 | 37.62 | 14.55 |
| 8709 | 99.6 | 77.41 | 20.48 | 272.97 | 70.72 |
| 8321 | 99.58 | 458.46 | 50.15 | 155.46 | 50.59 |
| 26099 | 99.58 | 236.18 | 48.08 | 65.78 | 23.75 |
| 17332 | 99.58 | 130.86 | 11.74 | 50.81 | 26.51 |
| 7947 | 99.58 | 207.62 | 23.69 | 80.48 | 35.91 |
| 13949 | 99.58 | 40.01 | 5.76 | 162.56 | 50.63 |
| 5652 | 99.52 | 106.78 | 19.76 | 281.58 | 73.2 |
| 15713 | 99.52 | 110.44 | 15.62 | 42.46 | 23.13 |
| 3465 | 99.52 | 143.57 | 15.46 | 49.14 | 23.07 |
| 9800 | 99.52 | 317.62 | 13.39 | 97.1 | 61.97 |
| 22901 | 99.5 | 241.2 | 46.46 | 64.58 | 17.22 |
| 17778 | 99.47 | 199.26 | 33.86 | 74.87 | 51.83 |
| 21810 | 99.47 | 147.37 | 14.16 | 53.35 | 19.43 |
| 15515 | 99.44 | 213.97 | 19.3 | 456.58 | 82.77 |
| 6861 | 99.42 | 344.93 | 34.39 | 170.07 | 37.46 |
| 4544 | 99.42 | 127.46 | 11.71 | 49.35 | 17.58 |
| 11384 | 99.42 | 81.04 | 8.11 | 29.42 | 10.66 |
| 16026 | 99.36 | 335.99 | 91.87 | 63.55 | 25.22 |
| 2107 | 99.36 | 324.02 | 67.87 | 95.61 | 43.07 |
| 2108 | 99.36 | 336.51 | 41.51 | 127.48 | 48.12 |
| 23824 | 99.34 | 210.41 | 16.64 | 118.99 | 35.7 |
| 24368 | 99.34 | 528.11 | 68.97 | 166.8 | 68.59 |
| 5052 | 99.34 | 794.36 | 72.73 | 2114.44 | 590.03 |
| 14275 | 99.28 | 302.31 | 61.12 | 113.48 | 24.81 |
| 11527 | 99.28 | 160.41 | 6.29 | 59.07 | 42.52 |
| 23557 | 99.28 | 185.79 | 19.06 | 61.77 | 30.07 |
| 602 | 99.28 | 99.91 | 22.88 | 23.71 | 17.29 |
| 22106 | 99.28 | 259.48 | 8.56 | 146.46 | 39.4 |
| 4467 | 99.26 | 166.52 | 20.43 | 56.02 | 112.2 |
| 10593 | 99.26 | 285.77 | 54.75 | 87.35 | 41.57 |
| 17510 | 99.26 | 101.25 | 8.57 | 215.92 | 52.85 |
| 9573 | 99.26 | 355.74 | 18.81 | 169.46 | 50.77 |
| 13838 | 99.26 | 378.77 | 22.17 | 157.9 | 44.64 |
| 25496 | 99.18 | 196.46 | 19.04 | 89 | 39.42 |
| 15476 | 99.18 | 363.23 | 24.05 | 149.16 | 65.17 |
| 5381 | 99.18 | 307.86 | 8.85 | 184.75 | 47.04 |
| 21952 | 99.18 | 120.36 | 12.3 | 48.7 | 17.16 |
| 11949 | 99.18 | 63.59 | 7.86 | 20.25 | 9.14 |
| 6567 | 99.18 | 569.39 | 79.91 | 177.01 | 61.27 |
| 23081 | 99.15 | 65.86 | 11.2 | 20.78 | 19.63 |
| 15518 | 99.15 | 185.46 | 23.04 | 84.75 | 40.44 |
| 3847 | 99.15 | 88.12 | 13.12 | 34.92 | 19.5 |
| 22130 | 99.15 | 182.93 | 32.98 | 38.03 | 28.06 |
| 13490 | 99.15 | 162.27 | 44.5 | 569.88 | 149.75 |

| TABLE 5ZZ: VALPROATE | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7636 | 99.15 | 79.72 | 11.23 | 24.76 | 10.96 |
| 7042 | 99.15 | 170.97 | 15.16 | 79.9 | 25.83 |
| 2569 | 99.15 | 368.59 | 10.54 | 909.19 | 289.59 |
| 17257 | 99.15 | 247.01 | 35.39 | 40.48 | 31.69 |
| 22518 | 99.13 | 114.57 | 10.37 | 30.54 | 46.73 |
| 2216 | 99.13 | 202.04 | 22.44 | 90.48 | 31.61 |
| 18684 | 99.13 | 185.78 | 29.38 | 66.43 | 30.14 |
| 7683 | 99.1 | 775.47 | 114.33 | 372.95 | 78.32 |
| 9471 | 99.1 | 165.46 | 28.94 | 55.26 | 21.11 |
| 10936 | 99.1 | 357.93 | 16.64 | 188.26 | 50.93 |
| 14766 | 99.07 | 226.04 | 22.61 | 502.56 | 123.95 |
| 16018 | 99.07 | 134.71 | 31.95 | 47.58 | 30.75 |
| 15862 | 99.05 | 87.77 | 12.04 | 24.57 | 43.23 |
| 17782 | 99.05 | 358.53 | 30.03 | 168.22 | 67.23 |
| 19669 | 99.05 | 165.38 | 28.55 | 55 | 23.23 |
| 17644 | 99.02 | 363.33 | 49.53 | 139.25 | 58.69 |
| 2153 | 99.02 | 114.29 | 41.76 | 27.34 | 15.47 |
| 8808 | 99.02 | 85.91 | 23.6 | 418.62 | 111.97 |
| 21809 | 99.02 | 111.93 | 21.55 | 26.02 | 15.63 |
| 17194 | 98.99 | 83.25 | 19.2 | 22.13 | 18.11 |
| 5921 | 98.99 | 215.51 | 43.51 | 66.91 | 30.18 |
| 7060 | 98.97 | 660.8 | 111.9 | 257.81 | 80.12 |
| 2324 | 98.97 | 181.75 | 15 | 79.72 | 31.42 |
| 17838 | 98.97 | 195.55 | 17.02 | 101.43 | 32.58 |
| 16024 | 98.97 | 346.79 | 125.88 | 94.46 | 28.67 |
| 3332 | 98.97 | 239.5 | 50.79 | 77.63 | 40.92 |
| 6686 | 98.97 | 321.08 | 39.21 | 133.95 | 38.42 |
| 2791 | 98.94 | 84.63 | 13.81 | 197.38 | 60.31 |
| 8966 | 98.94 | 413.62 | 47.42 | 190.54 | 62.34 |
| 4333 | 98.94 | 112.03 | 6.38 | 55.18 | 17.85 |
| 14357 | 98.94 | 176.3 | 34.12 | 66.77 | 30.48 |
| 11982 | 98.89 | 403.79 | 34.77 | 185.59 | 56.27 |
| 15179 | 98.86 | 221.74 | 31.93 | 99.82 | 35.51 |
| 2898 | 98.86 | 234.55 | 69.9 | 38.77 | 32.27 |
| 10394 | 98.86 | 223.94 | 54.68 | 44.28 | 38.41 |
| 16071 | 98.86 | 217.29 | 30.2 | 78.18 | 45.01 |
| 20904 | 98.83 | 409.23 | 35.29 | 219.64 | 102.15 |
| 15888 | 98.83 | 447.56 | 72.86 | 166.15 | 140.27 |
| 10666 | 98.83 | 277.17 | 34.87 | 570.71 | 119.24 |
| 17258 | 98.83 | 272.32 | 41.83 | 105.04 | 31.48 |
| 17181 | 98.81 | 82.77 | 13.75 | 28.5 | 12.32 |
| 3647 | 98.81 | 156.85 | 32.49 | 57.73 | 28.45 |
| 14190 | 98.81 | 105.02 | 14.48 | 34.72 | 16.22 |
| 3971 | 98.81 | 129.2 | 14.83 | 47.55 | 21.16 |
| 7637 | 98.81 | 126.56 | 26.28 | 29.26 | 14.22 |
| 5011 | 98.78 | 123.8 | 25.1 | 49.43 | 19.65 |
| 16025 | 98.78 | 282.93 | 155.41 | 49.06 | 21.91 |
| 7635 | 98.78 | 242.55 | 27.47 | 126.64 | 27.11 |
| 18025 | 98.78 | 271.79 | 23.84 | 122.07 | 41.26 |
| 21064 | 98.68 | 210.88 | 55.32 | 63.76 | 23.88 |
| 15911 | 98.68 | 302.58 | 34.14 | 133.94 | 39.68 |

| TABLE 5ZZ: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935328.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7595 | 98.68 | 141.09 | 25 | 60.54 | 14.66 |
| 20724 | 98.65 | 209.35 | 30.18 | 84.72 | 32.65 |
| 4540 | 98.65 | 161.75 | 46.76 | 56.36 | 20.77 |
| 22739 | 98.62 | 242.24 | 26.39 | 107.18 | 31.43 |
| 19749 | 98.62 | 90.09 | 17.56 | 32.23 | 14.31 |
| 21957 | 98.6 | 309.89 | 9.03 | 172.48 | 52.28 |
| 15116 | 98.6 | 188.3 | 22.35 | 86.26 | 29.52 |
| 25495 | 98.57 | 176.65 | 29.34 | 78.34 | 33.68 |
| 18442 | 98.54 | 72.39 | 19.51 | 27.16 | 11.67 |
| 17687 | 98.44 | 104.25 | 12.74 | 39.5 | 15.52 |
| 4414 | 98.38 | 139.81 | 12.39 | 66.99 | 22.52 |
| 16725 | 98.38 | 66.78 | 10.34 | 162.23 | 46.07 |
| 20090 | 98.36 | 358.17 | 112.71 | 108.92 | 40.16 |
| 23220 | 98.3 | 197.68 | 24.82 | 84.5 | 29.72 |
| 21801 | 98.3 | 191.41 | 25.44 | 96.64 | 22.78 |
| 21407 | 98.28 | 188.48 | 55.27 | 50.85 | 27.48 |
| 8597 | 98.28 | 175.63 | 10.05 | 102.84 | 33.09 |
| 23250 | 98.28 | 209.87 | 12.1 | 124.75 | 29.06 |
| 1401 | 98.28 | 87.71 | 8.93 | 43.36 | 12.81 |
| 1843 | 98.25 | 98.62 | 41.23 | 29.41 | 16.15 |
| 3035 | 98.25 | 88.17 | 44.87 | 26.67 | 11.75 |
| 3787 | 98.22 | 54.75 | 1.97 | 28.81 | 11.11 |
| 15857 | 98.22 | 179.17 | 37.78 | 77.35 | 19.5 |
| 21905 | 98.17 | 91.1 | 11.38 | 45.92 | 12.83 |
| 15489 | 98.17 | 134.19 | 6.54 | 76.32 | 23.64 |
| 1481 | 98.15 | 129.77 | 8.15 | 58.27 | 29.62 |
| 16524 | 98.15 | 75.52 | 19.53 | 28.02 | 10.68 |
| 21580 | 98.12 | 101.77 | 21.17 | 40.13 | 16.38 |
| 18400 | 98.12 | 146.5 | 32.63 | 49.68 | 24.09 |
| 15359 | 98.09 | 121.87 | 15.4 | 54.81 | 22.3 |
| 15829 | 98.09 | 159 | 59.56 | 24.75 | 53.2 |
| 11843 | 98.09 | 60.93 | 9.99 | 30.73 | 9.99 |
| 3865 | 98.09 | 111.86 | 18.72 | 46.23 | 19.25 |
| 22039 | 98.09 | 76.96 | 4.02 | 40.3 | 19.16 |
| 19226 | 98.07 | 357.6 | 47.65 | 186.16 | 54.68 |
| 14295 | 98.04 | 93.13 | 17.27 | 30.13 | 23.6 |
| 1844 | 98.01 | 368.98 | 81.85 | 114.47 | 62.97 |
| 4832 | 97.99 | 85.2 | 20.78 | 35.16 | 15.85 |
| 3253 | 97.96 | 286.87 | 14.72 | 171.53 | 52.61 |
| 22396 | 97.96 | 229.43 | 65.13 | 98.81 | 27.9 |
| 22150 | 97.96 | 167.27 | 20.26 | 82.56 | 27.96 |
| 12028 | 97.96 | 66.8 | 18.03 | 22.08 | 10.28 |
| 15662 | 97.93 | 82.56 | 9.91 | 36.56 | 49.45 |
| 19053 | 97.93 | 72.78 | 13.91 | 28.14 | 54.44 |
| 17688 | 97.93 | 145.07 | 20.59 | 55.81 | 29.42 |
| 11314 | 97.93 | 237.45 | 55.64 | 98.69 | 30 |
| 21951 | 97.93 | 227 | 30.63 | 104.69 | 33.99 |
| 3788 | 97.93 | 72.12 | 6.02 | 35.71 | 12.63 |
| 1580 | 97.91 | 88.88 | 14.84 | 24.77 | 25.2 |
| 2192 | 97.91 | 140.85 | 60.48 | 38.85 | 20.13 |
| 8664 | 97.85 | 77.55 | 10.77 | 46.67 | 200.12 |

| TABLE 5ZZ: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21491 | 97.8 | 170.35 | 23.28 | 79.46 | 23.14 |
| 10544 | 97.8 | 420.34 | 40.99 | 179.2 | 70.52 |
| 17590 | 97.8 | 279.39 | 39.93 | 105.9 | 45.96 |
| 20899 | 97.8 | 181.9 | 39.69 | 69.04 | 23.76 |
| 24235 | 97.77 | 672.88 | 64.31 | 328.94 | 168.73 |
| 20702 | 97.77 | 134.07 | 14.12 | 49.97 | 39.93 |
| 4495 | 97.72 | 140.91 | 10.51 | 68.26 | 26.43 |

| TABLE 5AAA: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23262 | 99.87 | 159.96 | 10.77 | 47.61 | 16.47 |
| 15886 | 99.81 | 411.58 | 7.61 | 207.21 | 58.54 |
| 12228 | 99.76 | 351.58 | 43.32 | 81.87 | 56.7 |
| 19120 | 99.74 | 97.16 | 4.58 | 22.46 | 16.56 |
| 19655 | 99.68 | 211.96 | 11.1 | 81.02 | 32.38 |
| 17953 | 99.63 | 354.46 | 11.66 | 157.25 | 45.88 |
| 7051 | 99.6 | 124.41 | 23.53 | 37.62 | 14.55 |
| 7947 | 99.58 | 207.62 | 23.69 | 80.48 | 35.91 |
| 17332 | 99.58 | 130.86 | 11.74 | 50.81 | 26.51 |
| 26099 | 99.58 | 236.18 | 48.08 | 65.78 | 23.75 |
| 8321 | 99.58 | 458.46 | 50.15 | 155.46 | 50.59 |
| 3465 | 99.52 | 143.57 | 15.46 | 49.14 | 23.07 |
| 15713 | 99.52 | 110.44 | 15.62 | 42.46 | 23.13 |
| 5652 | 99.52 | 106.78 | 19.76 | 281.58 | 73.2 |
| 22901 | 99.5 | 241.2 | 46.46 | 64.58 | 17.22 |
| 21810 | 99.47 | 147.37 | 14.16 | 53.35 | 19.43 |
| 17778 | 99.47 | 199.26 | 33.86 | 74.87 | 51.83 |
| 15515 | 99.44 | 213.97 | 19.3 | 456.58 | 82.77 |
| 11384 | 99.42 | 81.04 | 8.11 | 29.42 | 10.66 |
| 4544 | 99.42 | 127.46 | 11.71 | 49.35 | 17.58 |
| 2108 | 99.36 | 336.51 | 41.51 | 127.48 | 48.12 |
| 2107 | 99.36 | 324.02 | 67.87 | 95.61 | 43.07 |
| 16026 | 99.36 | 335.99 | 91.87 | 63.55 | 25.22 |
| 23824 | 99.34 | 210.41 | 16.64 | 118.99 | 35.7 |
| 22106 | 99.28 | 259.48 | 8.56 | 146.46 | 39.4 |
| 602 | 99.28 | 99.91 | 22.88 | 23.71 | 17.29 |
| 23557 | 99.28 | 185.79 | 19.06 | 61.77 | 30.07 |
| 14275 | 99.28 | 302.31 | 61.12 | 113.48 | 24.81 |
| 9573 | 99.26 | 355.74 | 18.81 | 169.46 | 50.77 |
| 17510 | 99.26 | 101.25 | 8.57 | 215.92 | 52.85 |
| 4467 | 99.26 | 166.52 | 20.43 | 56.02 | 112.2 |
| 6567 | 99.18 | 569.39 | 79.91 | 177.01 | 61.27 |
| 11949 | 99.18 | 63.59 | 7.86 | 20.25 | 9.14 |
| 21952 | 99.18 | 120.36 | 12.3 | 48.7 | 17.16 |
| 15476 | 99.18 | 363.23 | 24.05 | 149.16 | 65.17 |
| 25496 | 99.18 | 196.46 | 19.04 | 89 | 39.42 |
| 7042 | 99.15 | 170.97 | 15.16 | 79.9 | 25.83 |
| 7636 | 99.15 | 79.72 | 11.23 | 24.76 | 10.96 |
| 13490 | 99.15 | 162.27 | 44.5 | 569.88 | 149.75 |
| 22130 | 99.15 | 182.93 | 32.98 | 38.03 | 28.06 |
| 3847 | 99.15 | 88.12 | 13.12 | 34.92 | 19.5 |
| 15518 | 99.15 | 185.46 | 23.04 | 84.75 | 40.44 |
| 23081 | 99.15 | 65.86 | 11.2 | 20.78 | 19.63 |
| 18684 | 99.13 | 185.78 | 29.38 | 66.43 | 30.14 |
| 22518 | 99.13 | 114.57 | 10.37 | 30.54 | 46.73 |
| 10936 | 99.1 | 357.93 | 16.64 | 188.26 | 50.93 |
| 9471 | 99.1 | 165.46 | 28.94 | 55.26 | 21.11 |
| 7683 | 99.1 | 775.47 | 114.33 | 372.95 | 78.32 |
| 16018 | 99.07 | 134.71 | 31.95 | 47.58 | 30.75 |
| 14766 | 99.07 | 226.04 | 22.61 | 502.56 | 123.95 |
| 17782 | 99.05 | 358.53 | 30.03 | 168.22 | 67.23 |

| TABLE 5AAA: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| CLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15862 | 99.05 | 87.77 | 12.04 | 24.57 | 43.23 |
| 21809 | 99.02 | 111.93 | 21.55 | 26.02 | 15.63 |
| 8808 | 99.02 | 85.91 | 23.6 | 418.62 | 111.97 |
| 2153 | 99.02 | 114.29 | 41.76 | 27.34 | 15.47 |
| 5921 | 98.99 | 215.51 | 43.51 | 66.91 | 30.18 |
| 17194 | 98.99 | 83.25 | 19.2 | 22.13 | 18.11 |
| 3332 | 98.97 | 239.5 | 50.79 | 77.63 | 40.92 |
| 16024 | 98.97 | 346.79 | 125.88 | 94.46 | 28.67 |
| 17838 | 98.97 | 195.55 | 17.02 | 101.43 | 32.58 |
| 2324 | 98.97 | 181.75 | 15 | 79.72 | 31.42 |
| 7060 | 98.97 | 660.8 | 111.9 | 257.81 | 80.12 |
| 14357 | 98.94 | 176.3 | 34.12 | 66.77 | 30.48 |
| 4333 | 98.94 | 112.03 | 6.38 | 55.18 | 17.85 |
| 8966 | 98.94 | 413.62 | 47.42 | 190.54 | 62.34 |
| 2791 | 98.94 | 84.63 | 13.81 | 197.38 | 60.31 |
| 11982 | 98.89 | 403.79 | 34.77 | 185.59 | 56.27 |
| 16071 | 98.86 | 217.29 | 30.2 | 78.18 | 45.01 |
| 2898 | 98.86 | 234.55 | 69.9 | 38.77 | 32.27 |
| 17258 | 98.83 | 272.32 | 41.83 | 105.04 | 31.48 |
| 10666 | 98.83 | 277.17 | 34.87 | 570.71 | 119.24 |
| 15888 | 98.83 | 447.56 | 72.86 | 166.15 | 140.27 |
| 20904 | 98.83 | 409.23 | 35.29 | 219.64 | 102.15 |
| 7637 | 98.81 | 126.56 | 26.28 | 29.26 | 14.22 |
| 3971 | 98.81 | 129.2 | 14.83 | 47.55 | 21.16 |
| 14190 | 98.81 | 105.02 | 14.48 | 34.72 | 16.22 |
| 3647 | 98.81 | 156.85 | 32.49 | 57.73 | 28.45 |
| 17181 | 98.81 | 82.77 | 13.75 | 28.5 | 12.32 |
| 18025 | 98.78 | 271.79 | 23.84 | 122.07 | 41.26 |
| 7635 | 98.78 | 242.55 | 27.47 | 126.64 | 27.11 |
| 16025 | 98.78 | 282.93 | 155.41 | 49.06 | 21.91 |
| 5011 | 98.78 | 123.8 | 25.1 | 49.43 | 19.65 |
| 22311 | 98.75 | 491.64 | 195.86 | 180.43 | 66.75 |
| 22506 | 98.75 | 185.7 | 18.32 | 86.49 | 31.5 |
| 3957 | 98.75 | 349.72 | 60.3 | 116.39 | 51.53 |
| 11256 | 98.73 | 201.82 | 66.16 | 33.92 | 32.41 |
| 6995 | 98.7 | 48.08 | 7.57 | 141.26 | 47.09 |
| 17349 | 98.7 | 345.04 | 34.69 | 801.16 | 236.59 |
| 2341 | 98.68 | 449.28 | 14.45 | 260.1 | 78.69 |
| 15911 | 98.68 | 302.58 | 34.14 | 133.94 | 39.68 |
| 21064 | 98.68 | 210.88 | 55.32 | 63.76 | 23.88 |
| 7595 | 98.68 | 141.09 | 25 | 60.54 | 14.66 |
| 4540 | 98.65 | 161.75 | 46.76 | 56.36 | 20.77 |
| 20724 | 98.65 | 209.35 | 30.18 | 84.72 | 32.65 |
| 22739 | 98.62 | 242.24 | 26.39 | 107.18 | 31.43 |
| 14033 | 98.62 | 633.79 | 62.81 | 340.72 | 96.63 |
| 19749 | 98.62 | 90.09 | 17.56 | 32.23 | 14.31 |
| 21957 | 98.6 | 309.89 | 9.03 | 172.48 | 52.28 |
| 15116 | 98.6 | 188.3 | 22.35 | 86.26 | 29.52 |
| 20805 | 98.6 | 746.66 | 122.62 | 356.59 | 85.62 |
| 25495 | 98.57 | 176.65 | 29.34 | 78.34 | 33.68 |
| 18442 | 98.54 | 72.39 | 19.51 | 27.16 | 11.67 |

| TABLE 5AAA: VALPROATE | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 6 hrs | | Document No. 1935823.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17687 | 98.44 | 104.25 | 12.74 | 39.5 | 15.52 |
| 4414 | 98.38 | 139.81 | 12.39 | 66.99 | 22.52 |
| 16725 | 98.38 | 66.78 | 10.34 | 162.23 | 46.07 |
| 23220 | 98.3 | 197.68 | 24.82 | 84.5 | 29.72 |
| 21801 | 98.3 | 191.41 | 25.44 | 96.64 | 22.78 |
| 21407 | 98.28 | 188.48 | 55.27 | 50.85 | 27.48 |
| 8597 | 98.28 | 175.63 | 10.05 | 102.84 | 33.09 |
| 23250 | 98.28 | 209.87 | 12.1 | 124.75 | 29.06 |
| 1401 | 98.28 | 87.71 | 8.93 | 43.36 | 12.81 |
| 1843 | 98.25 | 98.62 | 41.23 | 29.41 | 16.15 |
| 3035 | 98.25 | 88.17 | 44.87 | 26.67 | 11.75 |
| 3787 | 98.22 | 54.75 | 1.97 | 28.81 | 11.11 |
| 15857 | 98.22 | 179.17 | 37.78 | 77.35 | 19.5 |
| 21905 | 98.17 | 91.1 | 11.38 | 45.92 | 12.83 |
| 15489 | 98.17 | 134.19 | 6.54 | 76.32 | 23.64 |
| 1481 | 98.15 | 129.77 | 8.15 | 58.27 | 29.62 |
| 16524 | 98.15 | 75.52 | 19.53 | 28.02 | 10.68 |
| 21580 | 98.12 | 101.77 | 21.17 | 40.13 | 16.38 |
| 18400 | 98.12 | 146.5 | 32.63 | 49.68 | 24.09 |
| 15359 | 98.09 | 121.87 | 15.4 | 54.81 | 22.3 |
| 15829 | 98.09 | 159 | 59.56 | 24.75 | 53.2 |
| 11843 | 98.09 | 60.93 | 9.99 | 30.73 | 9.99 |
| 3865 | 98.09 | 111.86 | 18.72 | 46.23 | 19.25 |
| 22039 | 98.09 | 76.96 | 4.02 | 40.3 | 19.16 |
| 19226 | 98.07 | 357.6 | 47.65 | 186.16 | 54.68 |
| 14295 | 98.04 | 93.13 | 17.27 | 30.13 | 23.6 |
| 1844 | 98.01 | 368.98 | 81.85 | 114.47 | 62.97 |
| 4832 | 97.99 | 85.2 | 20.78 | 35.16 | 15.85 |
| 3253 | 97.96 | 286.87 | 14.72 | 171.53 | 52.61 |
| 22396 | 97.96 | 229.43 | 65.13 | 98.81 | 27.9 |
| 22150 | 97.96 | 167.27 | 20.26 | 82.56 | 27.96 |
| 12028 | 97.96 | 66.8 | 18.03 | 22.08 | 10.28 |
| 15662 | 97.93 | 82.56 | 9.91 | 36.56 | 49.45 |
| 19053 | 97.93 | 72.78 | 13.91 | 28.14 | 54.44 |
| 17688 | 97.93 | 145.07 | 20.59 | 55.81 | 29.42 |
| 11314 | 97.93 | 237.45 | 55.64 | 98.69 | 30 |
| 21951 | 97.93 | 227 | 30.63 | 104.69 | 33.99 |
| 3788 | 97.93 | 72.12 | 6.02 | 35.71 | 12.63 |
| 1580 | 97.91 | 88.88 | 14.84 | 24.77 | 25.2 |
| 2192 | 97.91 | 140.85 | 60.48 | 38.85 | 20.13 |
| 8664 | 97.85 | 77.55 | 10.77 | 46.67 | 200.12 |
| 21491 | 97.8 | 170.35 | 23.28 | 79.46 | 23.14 |
| 10544 | 97.8 | 420.34 | 40.99 | 179.2 | 70.52 |
| 17590 | 97.8 | 279.39 | 39.93 | 105.9 | 45.96 |
| 20899 | 97.8 | 181.9 | 39.69 | 69.04 | 23.76 |
| 24235 | 97.77 | 672.88 | 64.31 | 328.94 | 168.73 |
| 20702 | 97.77 | 134.07 | 14.12 | 49.97 | 39.93 |
| 4495 | 97.72 | 140.91 | 10.51 | 68.26 | 26.43 |
| 24284 | 97.69 | 97.76 | 25.85 | 30.52 | 15.92 |
| 21802 | 97.62 | 87.66 | 40.89 | 27.01 | 15.05 |

| TABLE 5B3B: WY-14643 | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | | | | |
| Attorney Docket 44921-5033-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22370 | 99.87 | 947.8 | 45.96 | 264.31 | 93.61 |
| 4271 | 99.73 | 1158.9 | 100.94 | 54.72 | 111.84 |
| 8177 | 99.71 | 111.24 | 21.57 | 493.76 | 296.31 |
| 20855 | 99.63 | 280.45 | 92.78 | 34.91 | 24.75 |
| 4272 | 99.63 | 574.5 | 62.02 | 31.52 | 65.6 |
| 4196 | 99.55 | 955.21 | 245.5 | 82.23 | 70.39 |
| 3439 | 99.52 | 360.01 | 42.43 | 76.56 | 35.24 |
| 9372 | 99.52 | 1207.02 | 88.51 | 295.61 | 181.56 |
| 397 | 99.36 | 340.1 | 85.84 | 66.81 | 33.71 |
| 16721 | 99.31 | 653.33 | 70.48 | 258.32 | 68.98 |
| 18174 | 99.31 | 677.01 | 46.13 | 319.17 | 87.57 |
| 22416 | 99.31 | 1007.69 | 157.15 | 142.8 | 82.97 |
| 19302 | 99.31 | 266.41 | 30.54 | 38.19 | 35.79 |
| 3743 | 99.26 | 241.75 | 55.82 | 58.29 | 23.31 |
| 18891 | 99.23 | 1266.22 | 224.6 | 296.7 | 155.12 |
| 26109 | 99.2 | 1308.25 | 149.8 | 141.78 | 252.42 |
| 3512 | 99.12 | 248.19 | 42.71 | 110.06 | 22.54 |
| 20851 | 99.1 | 416.55 | 142.8 | 65.86 | 71.7 |
| 5887 | 99.07 | 1009.76 | 196.15 | 64.31 | 121.89 |
| 18956 | 99.07 | 339.4 | 100.37 | 34.13 | 24.8 |
| 6243 | 99.07 | 204.28 | 17.24 | 65.81 | 40.64 |
| 18318 | 99.04 | 438.32 | 67.58 | 86.28 | 60.51 |
| 2457 | 99.04 | 1146 | 157.72 | 248.07 | 140.41 |
| 3513 | 99.02 | 293.23 | 52.73 | 102.91 | 28.55 |
| 1728 | 98.94 | 961.56 | 158.02 | 246.88 | 102.92 |
| 20985 | 98.94 | 470.16 | 91.9 | 135.47 | 54.95 |
| 18083 | 98.86 | 677.02 | 185.81 | 22.68 | 55.63 |
| 5602 | 98.86 | 1343.57 | 176.78 | 202.34 | 197.83 |
| 18958 | 98.78 | 1050.75 | 265.09 | 322.06 | 115.47 |
| 16190 | 98.78 | 1533.31 | 157 | 754.52 | 208.5 |
| 21164 | 98.75 | 975.19 | 128.27 | 360.94 | 160.71 |
| 18175 | 98.75 | 1011.42 | 130.09 | 494.94 | 114.26 |
| 2236 | 98.75 | 413.52 | 40.11 | 196.93 | 61.08 |
| 4290 | 98.75 | 476.02 | 102.71 | 61.28 | 57.22 |
| 18742 | 98.75 | 1324.99 | 318.64 | 340.84 | 175.47 |
| 22603 | 98.73 | 774.83 | 89.57 | 258.94 | 105.41 |
| 18957 | 98.73 | 1202.21 | 275.43 | 367.18 | 137.37 |
| 14595 | 98.73 | 542.18 | 128.33 | 65.88 | 75.82 |
| 1977 | 98.7 | 1131.84 | 134.44 | 364.61 | 164.21 |
| 18746 | 98.7 | 442.03 | 89.15 | 67.21 | 52.95 |
| 9268 | 98.67 | 408.14 | 66.88 | 158.4 | 59.24 |
| 2811 | 98.62 | 595.11 | 111.12 | 190.01 | 74.6 |
| 12215 | 98.59 | 614.69 | 183.46 | 136.89 | 81.54 |
| 21822 | 98.59 | 626.14 | 50.33 | 346.06 | 80.94 |
| 17736 | 98.57 | 204.95 | 48.34 | 50.21 | 208.18 |
| 17187 | 98.57 | 137.99 | 36.23 | 31.14 | 15.34 |
| 15601 | 98.57 | 651.59 | 81.95 | 310.13 | 78.7 |
| 18749 | 98.57 | 463.82 | 198.62 | 60.9 | 48.74 |
| 20888 | 98.57 | 625.56 | 109.29 | 161.35 | 92.29 |
| 20711 | 98.57 | 863.73 | 93.56 | 132.18 | 199.47 |
| 20980 | 98.54 | 146.94 | 20.51 | 55.64 | 22.33 |

| TABLE 53BB: WY-14643 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18315 | 98.51 | 243.52 | 47.29 | 45.75 | 35.72 |
| 18890 | 98.49 | 1969.92 | 295.27 | 744.33 | 347.05 |
| 18316 | 98.49 | 405.88 | 66.36 | 72.7 | 56.05 |
| 18747 | 98.46 | 897.75 | 179.11 | 152.25 | 112.71 |
| 14621 | 98.43 | 325.62 | 38.07 | 141.88 | 44.5 |
| 19591 | 98.43 | 555.75 | 45.73 | 252.68 | 92.76 |
| 4940 | 98.38 | 618.48 | 125.38 | 1612.91 | 443.53 |
| 15175 | 98.38 | 521.95 | 60.64 | 230.61 | 64.52 |
| 22737 | 98.38 | 677.82 | 194.98 | 164.81 | 92.55 |
| 18125 | 98.38 | 1071.07 | 78.78 | 574.13 | 156.75 |
| 22139 | 98.35 | 1036.01 | 79.75 | 625.02 | 133.81 |
| 14264 | 98.35 | 329.47 | 59.89 | 89.69 | 69.09 |
| 13507 | 98.35 | 218 | 8.11 | 364.51 | 90.06 |
| 9373 | 98.35 | 402.28 | 45.23 | 128.48 | 69.57 |
| 9757 | 98.33 | 552.69 | 80.49 | 281.51 | 67.37 |
| 16546 | 98.27 | 568.23 | 89.41 | 190.1 | 83.52 |
| 21354 | 98.17 | 2275.68 | 351.86 | 416.77 | 385.66 |
| 3860 | 98.17 | 1003.64 | 154 | 391.78 | 156.35 |
| 1421 | 98.11 | 261.75 | 50.24 | 138.27 | 22.59 |
| 20859 | 98.06 | 107.85 | 18.05 | 41.73 | 20.06 |
| 2768 | 98.06 | 1259.86 | 62.68 | 2066.78 | 442.44 |
| 17353 | 98.06 | 375.3 | 160.54 | 38.1 | 49.13 |
| 22847 | 98.01 | 1801.36 | 146.24 | 1147.13 | 233.04 |
| 18319 | 98.01 | 245.39 | 79.76 | 36.06 | 32.94 |
| 22602 | 97.98 | 484.33 | 93.76 | 120.28 | 84.04 |
| 22224 | 97.98 | 475.42 | 82.24 | 145.78 | 87 |
| 3842 | 97.96 | 243.92 | 76.28 | 67.28 | 27.92 |
| 23336 | 97.96 | 143.78 | 59.25 | 23.95 | 22.91 |
| 21341 | 97.85 | 1857.47 | 238.55 | 851.87 | 295.96 |
| 22079 | 97.8 | 1865.96 | 269.83 | 4856.82 | 1476.77 |
| 19044 | 97.77 | 810.85 | 29.22 | 524.48 | 182.33 |
| 21010 | 97.74 | 1749.82 | 238.11 | 671.62 | 288.26 |
| 3260 | 97.69 | 495.15 | 161.17 | 174.24 | 83.07 |
| 16945 | 97.66 | 1109.78 | 95.07 | 718.77 | 139.18 |
| 9240 | 97.64 | 580.79 | 53.02 | 337.17 | 81.11 |
| 7517 | 97.61 | 177.3 | 16.8 | 90.17 | 32.22 |
| 16836 | 97.58 | 132.53 | 27.9 | 63.15 | 16.36 |
| 9106 | 97.58 | 573.57 | 48.69 | 324.11 | 84.68 |
| 17999 | 97.58 | 894.56 | 49.7 | 1579.27 | 335.08 |
| 16769 | 97.53 | 401.78 | 106.2 | 124.45 | 58.94 |
| 20388 | 97.5 | 332.86 | 41.62 | 771.09 | 281.25 |
| 16434 | 97.5 | 529.32 | 68.06 | 285.72 | 69.62 |
| 20038 | 97.5 | 291.17 | 52.31 | 67.58 | 53.18 |
| 15015 | 97.5 | 367.93 | 62.14 | 191.75 | 51.02 |
| 10533 | 97.48 | 1061.54 | 144 | 511.32 | 195.08 |
| 23427 | 97.48 | 746.46 | 133.49 | 312.88 | 111.58 |
| 3460 | 97.4 | 78.31 | 12.72 | 222.99 | 99.67 |
| 17027 | 97.4 | 368.6 | 65.63 | 1152.81 | 406.42 |
| 20986 | 97.37 | 869.32 | 111.47 | 335.98 | 168.01 |
| 15833 | 97.29 | 481.16 | 50.39 | 277.27 | 67.17 |
| 22823 | 97.19 | 727.09 | 57.76 | 425.33 | 110.64 |

| TABLE 52BB: WY-14643 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2812 | 97.08 | 677.47 | 145.95 | 283.77 | 94.41 |
| 17758 | 96.92 | 1264.61 | 336.5 | 359 | 370.32 |
| 23698 | 96.89 | 1127.65 | 274.58 | 355.04 | 404.69 |
| 22063 | 96.87 | 94.31 | 28.54 | 36.56 | 16.84 |
| 20402 | 96.87 | 82 | 11.4 | 44.66 | 14.45 |
| 17421 | 96.84 | 468.41 | 75.59 | 258.45 | 61.13 |
| 20597 | 96.76 | 689.7 | 128.09 | 1856.38 | 666.01 |
| 14882 | 96.73 | 681.59 | 65.31 | 1303.16 | 415.6 |
| 19590 | 96.68 | 129.84 | 20.81 | 53.22 | 28.84 |
| 16588 | 96.65 | 67.32 | 9.85 | 44.02 | 7.97 |
| 20554 | 96.57 | 672.88 | 164.86 | 261.72 | 134.69 |
| 21109 | 96.57 | 62.18 | 6.61 | 34.31 | 11.84 |
| 1586 | 96.55 | 166.37 | 23.96 | 89.49 | 24.89 |
| 1447 | 96.55 | 402.67 | 37 | 240.42 | 59.33 |
| 17933 | 96.52 | 398.65 | 134.65 | 127.8 | 69.48 |
| 17934 | 96.52 | 503.62 | 132.26 | 175.68 | 88.95 |
| 26051 | 96.52 | 211.29 | 52.94 | 79.3 | 40.08 |
| 20386 | 96.52 | 540.48 | 68.46 | 253.52 | 126.65 |
| 23340 | 96.42 | 279.87 | 60.1 | 134.62 | 38.24 |
| 15052 | 96.34 | 853.24 | 52.45 | 1443.73 | 494.37 |
| 9842 | 96.34 | 1061.71 | 56.99 | 1605.37 | 414.18 |
| 13005 | 96.31 | 448.84 | 39.13 | 250.3 | 86.68 |
| 21663 | 96.28 | 832.06 | 65.75 | 464.8 | 158.04 |
| 24798 | 96.12 | 944.05 | 58.1 | 569.44 | 198.06 |
| 23300 | 96.04 | 527.9 | 85.34 | 252.76 | 96.23 |
| 20034 | 96.02 | 145.58 | 25.02 | 81.93 | 28.43 |
| 15408 | 95.99 | 853.57 | 161.3 | 289.87 | 160.54 |
| 570 | 95.91 | 233.03 | 28.91 | 128.85 | 43.79 |
| 4364 | 95.88 | 102.18 | 13.47 | 53.99 | 35.1 |
| 15851 | 95.78 | 565.91 | 84.09 | 1405.1 | 499.67 |
| 20998 | 95.7 | 556.69 | 170.4 | 1250.17 | 334.35 |
| 16323 | 95.67 | 322.93 | 97.68 | 869.44 | 371.12 |
| 229 | 95.65 | 427.19 | 43.97 | 681.65 | 159.06 |
| 1228 | 95.62 | 193.11 | 22.49 | 111.05 | 29.8 |
| 5317 | 95.43 | 181.89 | 215.05 | 901.47 | 328.21 |
| 20555 | 95.41 | 715.43 | 72.79 | 338.54 | 185.99 |
| 18038 | 95.41 | 467.16 | 63.12 | 248.17 | 89.51 |
| 19745 | 95.38 | 99.56 | 25.02 | 50.76 | 21.91 |
| 18727 | 95.27 | 283.25 | 56.61 | 766.17 | 382.6 |
| 16768 | 95.25 | 944.04 | 190.49 | 492.81 | 159.7 |
| 2578 | 95.25 | 272.19 | 47.09 | 159.57 | 48.78 |
| 16398 | 95.22 | 838.24 | 78.73 | 526.84 | 136.93 |
| 23625 | 95.11 | 160.55 | 41.09 | 45.23 | 48.87 |
| 5545 | 95.11 | 714.79 | 72.43 | 1493.51 | 572.93 |
| 20915 | 95.03 | 1313.8 | 284.04 | 531.71 | 362.55 |
| 24860 | 95.03 | 60.13 | 40.31 | 392.12 | 272.43 |
| 17154 | 95.03 | 326.26 | 33.47 | 187.97 | 79.13 |

| TABLE 5CCG: WY-14643 Timepoint(s): 24, 168 hrs GLGC | | | | | |
|---|-----------|----------|--------|-------------|-----------|
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4196 | 99.55 | 955.21 | 245.5 | 82.23 | 70.39 |
| 19302 | 99.31 | 266.41 | 30.54 | 38.19 | 35.79 |
| 18174 | 99.31 | 677.01 | 46.13 | 319.17 | 87.57 |
| 16721 | 99.31 | 653.33 | 70.48 | 258.32 | 68.98 |
| 3512 | 99.12 | 248.19 | 42.71 | 110.06 | 22.54 |
| 20851 | 99.1 | 416.55 | 142.8 | 65.86 | 71.7 |
| 6243 | 99.07 | 204.28 | 17.24 | 65.81 | 40.64 |
| 20985 | 98.94 | 470.16 | 91.9 | 135.47 | 54.95 |
| 18958 | 98.78 | 1050.75 | 265.09 | 322.06 | 115.47 |
| 2236 | 98.75 | 413.52 | 40.11 | 196.93 | 61.08 |
| 18175 | 98.75 | 1011.42 | 130.09 | 494.94 | 114.26 |
| 18957 | 98.73 | 1202.21 | 275.43 | 367.18 | 137.37 |
| 22603 | 98.73 | 774.83 | 89.57 | 258.94 | 105.41 |
| 1977 | 98.7 | 1131.84 | 134.44 | 364.61 | 164.21 |
| 9268 | 98.67 | 408.14 | 66.88 | 158.4 | 59.24 |
| 2811 | 98.62 | 595.11 | 111.12 | 190.01 | 74.6 |
| 21822 | 98.59 | 626.14 | 50.33 | 346.06 | 80.94 |
| 20711 | 98.57 | 863.73 | 93.56 | 132.18 | 199.47 |
| 20888 | 98.57 | 625.56 | 109.29 | 161.35 | 92.29 |
| 15601 | 98.57 | 651.59 | 81.95 | 310.13 | 78.7 |
| 17187 | 98.57 | 137.99 | 36.23 | 31.14 | 15.34 |
| 17736 | 98.57 | 204.95 | 48.34 | 50.21 | 208.18 |
| 20980 | 98.54 | 146.94 | 20.51 | 55.64 | 22.33 |
| 18315 | 98.51 | 243.52 | 47.29 | 45.75 | 35.72 |
| 18316 | 98.49 | 405.88 | 66.36 | 72.7 | 56.05 |
| 14621 | 98.43 | 325.62 | 38.07 | 141.88 | 44.5 |
| 15175 | 98.38 | 521.95 | 60.64 | 230.61 | 64.52 |
| 13507 | 98.35 | 218 | 8.11 | 364.51 | 90.06 |
| 22139 | 98.35 | 1036.01 | 79.75 | 625.02 | 133.81 |
| 9757 | 98.33 | 552.69 | 80.49 | 281.51 | 67.37 |
| 16546 | 98.27 | 568.23 | 89.41 | 190.1 | 83.52 |
| 3860 | 98.17 | 1003.64 | 154 | 391.78 | 156.35 |
| 1421 | 98.11 | 261.75 | 50.24 | 138.27 | 22.59 |
| 17353 | 98.06 | 375.3 | 160.54 | 38.1 | 49.13 |
| 2768 | 98.06 | 1259.86 | 62.68 | 2066.78 | 442.44 |
| 20859 | 98.06 | 107.85 | 18.05 | 41.73 | 20.06 |
| 18319 | 98.01 | 245.39 | 79.76 | 36.06 | 32.94 |
| 22847 | 98.01 | 1801.36 | 146.24 | 1147.13 | 233.04 |
| 22602 | 97.98 | 484.33 | 93.76 | 120.28 | 84.04 |
| 23336 | 97.96 | 143.78 | 59.25 | 23.95 | 22.91 |
| 3842 | 97.96 | 243.92 | 76.28 | 67.28 | 27.92 |
| 22079 | 97.8 | 1865.96 | 269.83 | 4856.82 | 1476.77 |
| 9240 | 97.64 | 580.79 | 53.02 | 337.17 | 81.11 |
| 17999 | 97.58 | 894.56 | 49.7 | 1579.27 | 335.08 |
| 9106 | 97.58 | 573.57 | 48.69 | 324.11 | 84.68 |
| 16836 | 97.58 | 132.53 | 27.9 | 63.15 | 16.36 |
| 16769 | 97.53 | 401.78 | 106.2 | 124.45 | 58.94 |
| 16434 | 97.5 | 529.32 | 68.06 | 285.72 | 69.62 |
| 20388 | 97.5 | 332.86 | 41.62 | 771.09 | 281.25 |
| 23427 | 97.48 | 746.46 | 133.49 | 312.88 | 111.58 |
| 17027 | 97.4 | 368.6 | 65.63 | 1152.81 | 406.42 |

| TABLE 5CCG: WY-14643 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3460 | 97.4 | 78.31 | 12.72 | 222.99 | 99.67 |
| 20986 | 97.37 | 869.32 | 111.47 | 335.98 | 168.01 |
| 15833 | 97.29 | 481.16 | 50.39 | 277.27 | 67.17 |
| 12829 | 97.27 | 623.14 | 68.41 | 378.77 | 89.21 |
| 22823 | 97.19 | 727.09 | 57.76 | 425.33 | 110.64 |
| 21355 | 97.16 | 1208.44 | 309.54 | 297.28 | 278.31 |
| 11525 | 97.11 | 635.55 | 73.94 | 380.57 | 83.16 |
| 2812 | 97.08 | 677.47 | 145.95 | 283.77 | 94.41 |
| 12094 | 97.08 | 1682.43 | 452.96 | 4857.84 | 1818.68 |
| 4428 | 97 | 414.86 | 44.73 | 237.97 | 67.53 |
| 15594 | 96.95 | 140.38 | 21.75 | 22.64 | 44.34 |
| 11440 | 96.92 | 1260.64 | 260.9 | 4594.34 | 1999.47 |
| 17758 | 96.92 | 1264.61 | 336.5 | 359 | 370.32 |
| 14024 | 96.92 | 70.47 | 7.15 | 33.27 | 17.09 |
| 19162 | 96.89 | 1004.5 | 262.57 | 2891.94 | 867.15 |
| 23320 | 96.89 | 448.11 | 51 | 240.34 | 77.06 |
| 23698 | 96.89 | 1127.65 | 274.58 | 355.04 | 404.69 |
| 22063 | 96.87 | 94.31 | 28.54 | 36.56 | 16.84 |
| 20402 | 96.87 | 82 | 11.4 | 44.66 | 14.45 |
| 17421 | 96.84 | 468.41 | 75.59 | 258.45 | 61.13 |
| 6869 | 96.81 | 44.12 | 7.03 | 220.41 | 98.06 |
| 16722 | 96.71 | 24.91 | 3.58 | 70.97 | 28.51 |
| 19590 | 96.68 | 129.84 | 20.81 | 53.22 | 28.84 |
| 16588 | 96.65 | 67.32 | 9.85 | 44.02 | 7.97 |
| 2668 | 96.63 | 1042.45 | 96.14 | 2504.2 | 1009.57 |
| 15474 | 96.63 | 271.43 | 80.18 | 685.07 | 184.23 |
| 17246 | 96.6 | 84.95 | 12.19 | 25.9 | 23.63 |
| 21109 | 96.57 | 62.18 | 6.61 | 34.31 | 11.84 |
| 20554 | 96.57 | 672.88 | 164.86 | 261.72 | 134.69 |
| 1447 | 96.55 | 402.67 | 37 | 240.42 | 59.33 |
| 14197 | 96.55 | 157.08 | 15.76 | 90.39 | 25.63 |
| 1586 | 96.55 | 166.37 | 23.96 | 89.49 | 24.89 |
| 19452 | 96.52 | 49.29 | 1.45 | 136.98 | 119.65 |
| 20386 | 96.52 | 540.48 | 68.46 | 253.52 | 126.65 |
| 17934 | 96.52 | 503.62 | 132.26 | 175.68 | 88.95 |
| 17933 | 96.52 | 398.65 | 134.65 | 127.8 | 69.48 |
| 26051 | 96.52 | 211.29 | 52.94 | 79.3 | 40.08 |
| 15627 | 96.49 | 1755.11 | 474.09 | 5784.08 | 1962.47 |
| 22028 | 96.47 | 1581.58 | 560.4 | 6758.19 | 3171.76 |
| 4941 | 96.44 | 706.96 | 125.79 | 1813.31 | 733.1 |
| 21482 | 96.42 | 25.52 | 21.05 | 398.69 | 192.7 |
| 23340 | 96.42 | 279.87 | 60.1 | 134.62 | 38.24 |
| 11888 | 96.36 | 22.56 | 12.72 | 141.73 | 60.79 |
| 21812 | 96.34 | 612.98 | 80.04 | 365.91 | 96.08 |
| 15052 | 96.34 | 853.24 | 52.45 | 1443.73 | 494.37 |
| 9842 | 96.34 | 1061.71 | 56.99 | 1605.37 | 414.18 |
| 13005 | 96.31 | 448.84 | 39.13 | 250.3 | 86.68 |
| 23836 | 96.31 | 131.32 | 36.15 | 40.56 | 32.63 |
| 21663 | 96.28 | 832.06 | 65.75 | 464.8 | 158.04 |
| 24798 | 96.12 | 944.05 | 58.1 | 569.44 | 198.06 |
| 23300 | 96.04 | 527.9 | 85.34 | 252.76 | 96.23 |

| TABLE 5000: WY-14643 | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): 24, 168 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20034 | 96.02 | 145.58 | 25.02 | 81.93 | 28.43 |
| 15408 | 95.99 | 853.57 | 161.3 | 289.87 | 160.54 |
| 570 | 95.91 | 233.03 | 28.91 | 128.85 | 43.79 |
| 4364 | 95.88 | 102.18 | 13.47 | 53.99 | 35.1 |
| 15851 | 95.78 | 565.91 | 84.09 | 1405.1 | 499.67 |
| 229 | 95.65 | 427.19 | 43.97 | 681.65 | 159.06 |
| 1228 | 95.62 | 193.11 | 22.49 | 111.05 | 29.8 |
| 5317 | 95.43 | 181.89 | 215.05 | 901.47 | 328.21 |
| 20555 | 95.41 | 715.43 | 72.79 | 338.54 | 185.99 |
| 18038 | 95.41 | 467.16 | 63.12 | 248.17 | 89.51 |
| 19745 | 95.38 | 99.56 | 25.02 | 50.76 | 21.91 |
| 16768 | 95.25 | 944.04 | 190.49 | 492.81 | 159.7 |
| 2578 | 95.25 | 272.19 | 47.09 | 159.57 | 48.78 |
| 16398 | 95.22 | 838.24 | 78.73 | 526.84 | 136.93 |
| 23625 | 95.11 | 160.55 | 41.09 | 45.23 | 48.87 |
| 5545 | 95.11 | 714.79 | 72.43 | 1493.51 | 572.93 |
| 20915 | 95.03 | 1313.8 | 284.04 | 531.71 | 362.55 |
| 17154 | 95.03 | 326.26 | 33.47 | 187.97 | 79.13 |
| 5497 | 95.01 | 302.96 | 76.1 | 643.97 | 187.41 |
| 14881 | 95.01 | 824.95 | 105.88 | 1706.66 | 634.99 |
| 8182 | 94.82 | 871.88 | 109.32 | 1457.33 | 334.65 |
| 5656 | 94.8 | 76.56 | 16.77 | 42.19 | 15.65 |
| 19679 | 94.64 | 131.94 | 49.53 | 391.59 | 140.4 |
| 23341 | 94.56 | 428.66 | 93.95 | 228.08 | 71.68 |
| 18450 | 94.56 | 754.88 | 111.71 | 495.19 | 106.22 |
| 18000 | 94.53 | 1059.79 | 80.09 | 2096.81 | 679.22 |
| 727 | 94.5 | 331 | 55.85 | 203.28 | 51.2 |
| 427 | 94.45 | 732.56 | 78.66 | 1724.04 | 780.34 |
| 22062 | 94.32 | 166.82 | 26.32 | 105.54 | 30.57 |
| 24771 | 94.29 | 841.62 | 46.86 | 1108.61 | 317.98 |
| 21653 | 94.26 | 397.39 | 37.89 | 264.16 | 91.36 |
| 25070 | 94.24 | 764.46 | 66.27 | 498.99 | 128.62 |
| 3381 | 94.21 | 184.88 | 20.55 | 113.23 | 34.14 |
| 4199 | 94.18 | 689.97 | 29.54 | 893.18 | 205.57 |
| 670 | 94.03 | 727.07 | 106.28 | 1210.03 | 266.48 |
| 18862 | 94 | 44.53 | 6.32 | 21.5 | 12.04 |
| 15509 | 93.84 | 46.68 | 7.51 | 21.04 | 14.43 |
| 20925 | 93.84 | 1461.37 | 365.1 | 414.81 | 435.73 |

| TABLE 50DD: ZILEUTON | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 336 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12160 | 98.75 | 7049.53 | 2423.91 | 1101.72 | 1254.05 |
| 12158 | 98.62 | 2623.32 | 1124.57 | 225.26 | 524.54 |
| 25056 | 98.59 | 4347 | 1047.8 | 923.79 | 688.04 |
| 25055 | 98.57 | 2568.71 | 1000.72 | 234.9 | 526.29 |
| 12156 | 98.54 | 4725.66 | 1494.11 | 488.2 | 822.73 |
| 12155 | 98.54 | 3997.37 | 1348.04 | 620.7 | 636.62 |
| 12157 | 98.52 | 5418.34 | 1701.38 | 560.2 | 941.63 |
| 20384 | 98.46 | 1258.91 | 451.47 | 160.04 | 234.17 |
| 17541 | 98.25 | 4122.13 | 645.37 | 1622.64 | 625.17 |
| 1794 | 97.8 | 5921.92 | 879.55 | 2161.6 | 1257.05 |
| 488 | 97.77 | 113.29 | 13.39 | 147.9 | 741.02 |
| 24860 | 97.67 | 1533.76 | 435.67 | 386.9 | 264.48 |
| 11153 | 97.43 | 302.31 | 17.99 | 633.18 | 202.05 |
| 11997 | 97.38 | 113.98 | 2.73 | 200.2 | 86.33 |
| 20864 | 97.16 | 1811.73 | 558.08 | 467.01 | 372.74 |
| 15987 | 97.06 | 68.73 | 8.82 | 24.96 | 42.45 |
| 1802 | 96.37 | 208.98 | 6.44 | 321.96 | 108.59 |
| 20704 | 96.24 | 3005.8 | 695.86 | 1299.1 | 844.05 |
| 1793 | 96.21 | 2578.39 | 462.13 | 1155.56 | 613.07 |
| 1797 | 96.16 | 4275.97 | 726.03 | 1788.44 | 1021.62 |
| 21015 | 95.78 | 5834.15 | 1056.99 | 2918 | 1037.35 |
| 21878 | 95.33 | 201.63 | 11.18 | 140.54 | 80.14 |
| 21013 | 95.23 | 5773.43 | 1055.86 | 2605.07 | 1205.03 |
| 635 | 95.15 | 2637.24 | 224.54 | 1570.84 | 483.79 |
| 21904 | 95.04 | 6866.44 | 1205.63 | 2993.81 | 1581.59 |
| 15193 | 95.04 | 274.87 | 66.27 | 151 | 53.77 |
| 21798 | 95.04 | 2542.62 | 180.76 | 1776.69 | 360.08 |
| 23766 | 94.99 | 199 | 16.21 | 113.32 | 52.81 |
| 15615 | 94.91 | 7738.05 | 706.95 | 4719.56 | 1505.03 |
| 21389 | 94.8 | 49.8 | 4.87 | 87.08 | 25.01 |
| 15755 | 94.75 | 495.81 | 35.13 | 741.17 | 180.89 |
| 6941 | 94.7 | 165.41 | 46.43 | 36.89 | 60.91 |
| 12447 | 94.7 | 154.27 | 32.16 | 63.49 | 36.1 |
| 25400 | 94.59 | 4079.57 | 968.53 | 1666.1 | 929.6 |
| 15382 | 94.35 | 174.96 | 17.64 | 165.12 | 304.79 |
| 17092 | 94.33 | 149.48 | 31.94 | 80.58 | 46.43 |
| 12094 | 94.3 | 7548.3 | 429.47 | 4834.13 | 1824.08 |
| 3168 | 94.3 | 73.46 | 17.54 | 30.85 | 21.39 |
| 15576 | 94.27 | 134.04 | 14.94 | 237.94 | 70.14 |
| 24323 | 94.27 | 625.41 | 83.52 | 415.95 | 106.98 |
| 8212 | 94.19 | 3634.2 | 606.95 | 1975.78 | 726.02 |
| 634 | 94.01 | 2302.21 | 161.08 | 1531.06 | 420.16 |
| 15955 | 93.74 | 364.6 | 52.52 | 193.82 | 94.51 |
| 2095 | 93.66 | 102.24 | 7.12 | 167.36 | 54.45 |
| 7394 | 93.5 | 754.82 | 17.61 | 690.57 | 201.42 |
| 1430 | 93.29 | 216.29 | 42.2 | 90.49 | 69.52 |
| 25525 | 93.11 | 1995.66 | 211.43 | 1346.43 | 366.4 |
| 10093 | 93.11 | 715.8 | 95.65 | 427.98 | 160.23 |
| 12060 | 92.97 | 52.98 | 6.24 | 91.21 | 25.84 |
| 5856 | 92.95 | 64.9 | 15.13 | 162.39 | 65.65 |
| 14882 | 92.9 | 2041.58 | 188.35 | 1297.84 | 415.27 |

| TABLE 50DD: ZILEUTON | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 336 hrs | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23698 | 92.87 | 541.8 | 79.14 | 358.14 | 408.1 |
| 4689 | 92.87 | 91.62 | 26.32 | 25.42 | 41.94 |
| 22729 | 92.84 | 64.69 | 19.63 | 183.14 | 79.91 |
| 9654 | 92.71 | 100.5 | 13.53 | 37.7 | 64.46 |
| 9190 | 92.55 | 1616.03 | 203.99 | 1015.38 | 357.98 |
| 21123 | 92.52 | 1410.22 | 101.77 | 945.02 | 278.86 |
| 16367 | 92.5 | 2207.43 | 158.42 | 1414.91 | 543.59 |
| 3879 | 92.5 | 3124.06 | 400.75 | 1886.02 | 618.42 |
| 16701 | 92.44 | 3476.03 | 509.13 | 2271.14 | 715.55 |
| 21735 | 92.36 | 219.32 | 24 | 349.13 | 105.91 |
| 3957 | 92.34 | 61.7 | 7.96 | 117.19 | 52.9 |
| 24049 | 92.31 | 2284.63 | 444.4 | 1516.14 | 458.49 |
| 9373 | 92.26 | 60.92 | 6.06 | 130 | 71.99 |
| 16696 | 92.23 | 61.34 | 4.85 | 101.84 | 32.55 |
| 4314 | 92.21 | 395.31 | 10.23 | 455.1 | 118.3 |
| 4092 | 92.21 | 510.42 | 41.8 | 314.8 | 136.43 |
| 6906 | 92.1 | 44 | 7.42 | 78.11 | 30.05 |
| 24521 | 92.1 | 5657.88 | 409.43 | 3784.13 | 1233.76 |
| 23699 | 91.86 | 853.36 | 73.03 | 642.8 | 308.52 |
| 21382 | 91.76 | 95.72 | 16.75 | 181.29 | 63.63 |
| 20333 | 91.6 | 37.04 | 2.81 | 26.53 | 26.22 |
| 6479 | 91.6 | 749.74 | 38.93 | 1044.6 | 395.54 |
| 3924 | 91.6 | 528.14 | 72.69 | 326.04 | 114.78 |
| 24022 | 91.49 | 57.89 | 5.43 | 88.38 | 26.56 |
| 2939 | 91.49 | 347.15 | 59.18 | 207.37 | 81.76 |
| 17382 | 91.38 | 398.31 | 44.67 | 273.83 | 87.9 |
| 8211 | 91.38 | 4574.94 | 1008.15 | 2364.72 | 1107.37 |
| 17995 | 91.33 | 2861.29 | 526.81 | 1693.58 | 648.99 |
| 25679 | 91.28 | 1191.94 | 97.58 | 884.29 | 246.32 |
| 19274 | 91.2 | 77.85 | 15.42 | 148.75 | 51.44 |
| 3618 | 91.2 | 211.1 | 21.6 | 136.3 | 51.19 |
| 5258 | 91.15 | 216.39 | 16.94 | 300.3 | 75.59 |
| 11815 | 91.04 | 68.84 | 20.56 | 105.35 | 23.57 |
| 18673 | 91.01 | 107.51 | 9.44 | 177.04 | 63.72 |
| 18993 | 91.01 | 83.62 | 10.23 | 50.42 | 27.57 |
| 18726 | 90.99 | 253.79 | 19.15 | 362.89 | 115.54 |
| 18322 | 90.96 | 70.8 | 11.12 | 122.67 | 187.49 |
| 18588 | 90.96 | 330.89 | 31.77 | 236.9 | 98 |
| 11152 | 90.93 | 129.76 | 41.61 | 334.36 | 142.44 |
| 6637 | 90.8 | 361.39 | 16.71 | 489.36 | 135.09 |
| 16125 | 90.77 | 51.75 | 5.99 | 93.98 | 39.42 |
| 1488 | 90.77 | 133.21 | 4.88 | 168.5 | 34.13 |
| 2888 | 90.72 | 3496.83 | 172.02 | 2672.59 | 748.08 |
| 16619 | 90.69 | 198.18 | 109.62 | 43.97 | 59.99 |
| 2744 | 90.64 | 145.35 | 5.93 | 208.2 | 84.5 |
| 2480 | 90.64 | 126.25 | 28.47 | 235.63 | 74.12 |
| 22967 | 90.59 | 106.23 | 10.98 | 166.4 | 89.23 |
| 1478 | 90.59 | 265.47 | 42.82 | 423.62 | 119.63 |
| 15269 | 90.59 | 115.2 | 11.99 | 184.77 | 53.58 |
| 10109 | 90.56 | 1186.4 | 50.93 | 1047.09 | 223.98 |
| 21122 | 90.51 | 2353.94 | 286.81 | 1522.35 | 489.09 |

| TABLE 5DDD: ZILEUTON | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24, 336 hrs | | Document No. 1935828.1 | | | |
| CLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1175 | 90.35 | 1228.26 | 290.15 | 628.66 | 346.89 |
| 21051 | 90.24 | 70.74 | 14.28 | 169.02 | 87.59 |
| 25327 | 90.22 | 21.49 | 1.17 | 28.09 | 12.26 |
| 17581 | 89.87 | 61.95 | 7.28 | 103.07 | 34.04 |
| 20914 | 89.86 | 1572.34 | 1021.63 | 232.18 | 297.9 |
| 7927 | 89.79 | 177.21 | 21 | 286.36 | 116.7 |
| 1995 | 89.69 | 1942.75 | 156.94 | 1937.53 | 970.84 |
| 17211 | 89.61 | 1705.29 | 114.02 | 1321.59 | 433.44 |
| 17729 | 89.61 | 1101.89 | 57.21 | 922.22 | 213.07 |
| 26030 | 89.58 | 936.63 | 65.07 | 720.16 | 240.07 |
| 16895 | 89.48 | 1712.22 | 108.48 | 1711.96 | 562.47 |
| 25691 | 89.48 | 1076.29 | 62.67 | 887.34 | 307.3 |
| 25170 | 89.34 | 30.56 | 3.23 | 52.32 | 25.78 |
| 904 | 89.26 | 36.43 | 6.32 | 62.22 | 20.39 |
| 20705 | 89.2 | 2761.31 | 602.99 | 1021.96 | 944.59 |
| 1479 | 89.18 | 170.01 | 35.69 | 296.66 | 95.24 |
| 1894 | 89.13 | 219.86 | 20.25 | 342.91 | 118.97 |
| 3692 | 89.13 | 80.86 | 4.5 | 105.5 | 33.22 |
| 18597 | 89.1 | 773.65 | 66 | 604.74 | 200.99 |
| 18606 | 89.1 | 887.01 | 70.78 | 728.93 | 178.99 |
| 5492 | 89.07 | 191.37 | 114.18 | 35.88 | 62.26 |
| 4441 | 89 | 1001.17 | 53.99 | 850.89 | 218.78 |
| 1133 | 88.92 | 112.25 | 3.93 | 133.25 | 29.31 |
| 5493 | 88.91 | 217.89 | 73.19 | 53.87 | 63.49 |
| 16180 | 88.79 | 304.21 | 30.28 | 448.06 | 132.54 |
| 11150 | 88.76 | 66.73 | 24.89 | 178.77 | 93.2 |
| 20975 | 88.65 | 63.58 | 8.13 | 111.47 | 41.34 |
| 18989 | 88.64 | 3272.51 | 1346.78 | 1472.13 | 681.24 |
| 17613 | 88.63 | 190.44 | 28.62 | 307.4 | 126.5 |
| 16300 | 88.63 | 108.55 | 16.49 | 73.14 | 28.28 |
| 25725 | 88.62 | 294.04 | 72.48 | 142.28 | 63.07 |
| 17104 | 88.6 | 587.61 | 27.94 | 542.98 | 142.81 |
| 13574 | 88.52 | 325.55 | 14.69 | 306.09 | 94.54 |
| 18887 | 88.52 | 79.09 | 12.39 | 122.97 | 39.59 |
| 24577 | 88.49 | 1128.62 | 106.44 | 909.55 | 233.51 |
| 16272 | 88.47 | 2086.18 | 93.14 | 1823.9 | 539.07 |
| 108 | 88.41 | 2812.18 | 157.19 | 2173.71 | 1124.56 |
| 17091 | 88.41 | 132.37 | 37.45 | 44.65 | 42.14 |
| 109 | 88.28 | 5865.57 | 438.1 | 3927.54 | 2213.79 |
| 4574 | 88.26 | 450.94 | 59.97 | 618.93 | 137.89 |
| 1069 | 88.26 | 2013.49 | 160.96 | 1610.1 | 393.87 |
| 21011 | 88.25 | 5765.97 | 1325.15 | 2350.53 | 1048.15 |
| 4407 | 88.23 | 75.97 | 14.19 | 144.28 | 57.75 |
| 6425 | 88.18 | 61.59 | 15.23 | 116.7 | 41.43 |
| 18400 | 88.18 | 22.83 | 5.45 | 50.02 | 24.6 |

| TABLE SEE: LPS | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4011 | 99.87 | 166.43 | 57.73 | 1821.45 | 677.32 |
| 21012 | 99.79 | 476.81 | 16.35 | 1520.39 | 567.6 |
| 16304 | 99.79 | 296.61 | 51.2 | 1499.52 | 504.23 |
| 634 | 99.79 | 224.82 | 44.49 | 1536.28 | 417.92 |
| 16726 | 99.76 | 297.93 | 10.7 | 792.74 | 196.34 |
| 25525 | 99.76 | 172.66 | 36.36 | 1350.98 | 364.18 |
| 14495 | 99.74 | 78.02 | 13.42 | 323.78 | 111.6 |
| 24728 | 99.71 | 28.74 | 8.28 | 261.59 | 84.08 |
| 15 | 99.71 | 92.36 | 1.44 | 44.8 | 21.18 |
| 2997 | 99.68 | 88.08 | 5.9 | 375.4 | 119.98 |
| 11904 | 99.68 | 268.62 | 16.95 | 60.15 | 42.8 |
| 9214 | 99.66 | 880.52 | 97.9 | 273.93 | 150.19 |
| 18244 | 99.66 | 1182.44 | 47.71 | 542.72 | 137.87 |
| 635 | 99.63 | 188.18 | 84.64 | 1577.16 | 483.16 |
| 20872 | 99.63 | 1345.63 | 38.66 | 763.45 | 262.47 |
| 22598 | 99.63 | 3246.17 | 212.74 | 992.6 | 344.02 |
| 574 | 99.6 | 251.77 | 18.84 | 94.44 | 165.34 |
| 23651 | 99.6 | 65.74 | 17.19 | 20.61 | 97.18 |
| 22042 | 99.6 | 6153.73 | 992.13 | 233.68 | 1107.91 |
| 9845 | 99.6 | 3806.95 | 827.59 | 124.33 | 892.61 |
| 16416 | 99.58 | 288.07 | 16.78 | 108.4 | 60.71 |
| 15004 | 99.58 | 1695.49 | 240.53 | 236.04 | 142.5 |
| 5059 | 99.55 | 324.13 | 47.19 | 79.53 | 249.59 |
| 18580 | 99.55 | 1019.69 | 40.31 | 224.66 | 139.63 |
| 5969 | 99.52 | 362.85 | 61.79 | 1180.73 | 390.03 |
| 24860 | 99.5 | 32.25 | 5.22 | 391.3 | 272.54 |
| 4012 | 99.44 | 284.76 | 99.62 | 2441.81 | 1157.15 |
| 1641 | 99.44 | 275.36 | 14.85 | 110.29 | 51.67 |
| 9905 | 99.44 | 166.04 | 20.66 | 648.12 | 150.08 |
| 1600 | 99.42 | 80.25 | 4.34 | 37.92 | 93.41 |
| 3134 | 99.39 | 375.27 | 108.07 | 38.07 | 41.15 |
| 20915 | 99.39 | 98.85 | 6.27 | 536.36 | 365.97 |
| 13563 | 99.36 | 455.07 | 25.07 | 1185.43 | 356.64 |
| 154 | 99.36 | 501.9 | 58.32 | 165.9 | 60.49 |
| 20589 | 99.36 | 125.48 | 13.65 | 25.15 | 26.99 |
| 5967 | 99.34 | 203.14 | 33.53 | 867.88 | 367.62 |
| 21285 | 99.34 | 1157.81 | 137.93 | 100.17 | 161.93 |
| 309 | 99.31 | 1271.05 | 75.47 | 694.09 | 136.68 |
| 9215 | 99.31 | 1095.45 | 215.49 | 315.14 | 205.97 |
| 25052 | 99.31 | 1613.62 | 302.24 | 30.62 | 119.49 |
| 1221 | 99.28 | 197.14 | 26.41 | 32.78 | 122.89 |
| 16367 | 99.28 | 137.22 | 105.71 | 1420.14 | 541.97 |
| 4914 | 99.28 | 47.79 | 18.73 | 481.47 | 150.36 |
| 15002 | 99.26 | 812.99 | 200.75 | 139.85 | 68.61 |
| 16081 | 99.23 | 580.07 | 45.01 | 127.63 | 197.04 |
| 16366 | 99.23 | 126.39 | 27.16 | 798.97 | 303.77 |
| 6911 | 99.23 | 57.47 | 6.74 | 234.1 | 74.48 |
| 1809 | 99.23 | 6297.41 | 1822.96 | 122.34 | 681.56 |
| 6614 | 99.23 | 118.9 | 26.54 | 907.33 | 269.4 |
| 18618 | 99.21 | 1838.27 | 88.48 | 1149.65 | 214.57 |
| 3548 | 99.21 | 174.92 | 5.09 | 79.79 | 30.13 |

| TABLE 553E: LPS | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14964 | 99.18 | 161.42 | 102.69 | 1006.2 | 317.11 |
| 22512 | 99.18 | 354.47 | 227.36 | 30.39 | 59.45 |
| 1602 | 99.18 | 170.64 | 16.69 | 467.13 | 108.67 |
| 10109 | 99.18 | 1938.46 | 117.34 | 1045.64 | 220.17 |
| 8584 | 99.15 | 144.43 | 32.68 | 1400.37 | 635.95 |
| 10071 | 99.13 | 90.84 | 33.37 | 30.7 | 24.06 |
| 22522 | 99.13 | 112.21 | 12.19 | 248.85 | 63.35 |
| 15741 | 99.13 | 317.97 | 109.01 | 1252.69 | 388.68 |
| 17541 | 99.13 | 316.82 | 124.41 | 1633.35 | 638.47 |
| 21522 | 99.13 | 765.82 | 52.59 | 164.35 | 209.31 |
| 11416 | 99.13 | 283.22 | 20.98 | 115.75 | 35.97 |
| 25802 | 99.13 | 516.44 | 15.56 | 257.7 | 80.46 |
| 15872 | 99.13 | 73.07 | 25.46 | 499.66 | 169.35 |
| 4636 | 99.13 | 457.49 | 50.41 | 74.1 | 125.75 |
| 21660 | 99.13 | 5230.59 | 324.32 | 1744.04 | 720.76 |
| 20529 | 99.13 | 1181.01 | 95.34 | 129.82 | 185.65 |
| 6615 | 99.1 | 89.58 | 20.45 | 438.68 | 128.87 |
| 20448 | 99.07 | 159 | 29.63 | 42.64 | 73.93 |
| 6263 | 99.07 | 77.77 | 18.31 | 292.55 | 100.65 |
| 1561 | 99.07 | 1985.06 | 196.05 | 870.62 | 217.06 |
| 14767 | 99.07 | 69.48 | 6.08 | 310.71 | 115.85 |
| 11849 | 99.07 | 1291.53 | 27.15 | 746.01 | 163.9 |
| 14384 | 99.07 | 542.05 | 32.59 | 247.13 | 63.39 |
| 2855 | 99.07 | 794.02 | 58.03 | 420.6 | 87.21 |
| 20249 | 99.05 | 78.03 | 10.56 | 24.83 | 20.92 |
| 15185 | 99.05 | 263.18 | 54.68 | 60.65 | 100.78 |
| 24469 | 99.05 | 1244.67 | 166.79 | 620.92 | 197.95 |
| 17333 | 99.05 | 148.37 | 21.45 | 51.16 | 34.11 |
| 12779 | 99.05 | 451.8 | 238.57 | 67.96 | 54.36 |
| 8273 | 99.05 | 219.01 | 79.36 | 43.6 | 33.76 |
| 20810 | 99.05 | 2037.68 | 83.17 | 1154.93 | 263.95 |
| 18385 | 99.05 | 178.44 | 102.58 | 21.57 | 29.85 |
| 22515 | 99.05 | 4183.61 | 1044.52 | 121.12 | 348.28 |
| 20864 | 99.02 | 55.18 | 25.79 | 472.15 | 380.76 |
| 5920 | 99.02 | 67.33 | 29.28 | 461.44 | 217.92 |
| 17324 | 99.02 | 81.82 | 19.34 | 378.9 | 117.26 |
| 24589 | 99.02 | 395.8 | 197.61 | 55.53 | 53.19 |
| 19411 | 99.02 | 111.17 | 7.01 | 33.82 | 21.69 |
| 25313 | 99.02 | 312.92 | 23.51 | 99.39 | 60.94 |
| 6823 | 99.02 | 814.26 | 140 | 251.11 | 106.22 |
| 8215 | 99.02 | 873.46 | 52.7 | 386.99 | 135.82 |
| 23005 | 98.99 | 270.87 | 18 | 124.39 | 86.19 |
| 20055 | 98.99 | 304.31 | 43.15 | 67.96 | 73.87 |
| 10984 | 98.99 | 79.7 | 65.47 | 1058.22 | 304.87 |
| 20944 | 98.99 | 1456.36 | 145.65 | 619.91 | 160.17 |
| 6532 | 98.99 | 317.77 | 23.11 | 140.71 | 43.19 |
| 5175 | 98.97 | 344.51 | 77.31 | 40.15 | 62.99 |
| 4969 | 98.97 | 2466.07 | 420.51 | 259.82 | 239.47 |
| 1678 | 98.94 | 22.06 | 13.4 | 124.71 | 41.32 |
| 2744 | 98.94 | 510.03 | 36.96 | 207.36 | 83.36 |
| 15503 | 98.91 | 181.26 | 37.44 | 64.23 | 59.72 |

| TABLE 5EE: LPS | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): 24 hrs | | Document No. 1935323.1 | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18001 | 98.91 | 196.94 | 39.51 | 718.21 | 179.34 |
| 682 | 98.91 | 664.18 | 326.43 | 109.18 | 95.85 |
| 17284 | 98.89 | 66.24 | 7.09 | 184.56 | 54.71 |
| 20462 | 98.89 | 1386.9 | 54.08 | 832.62 | 161.68 |
| 22513 | 98.89 | 6801.87 | 2063.44 | 24.21 | 724.48 |
| 24228 | 98.89 | 1963.56 | 170.96 | 977.17 | 260.22 |
| 23825 | 98.89 | 98.15 | 18.36 | 38.05 | 25.86 |
| 7427 | 98.86 | 242.61 | 40.71 | 32.31 | 29.32 |
| 18611 | 98.86 | 2091.17 | 198.59 | 1139.38 | 540.19 |
| 16080 | 98.83 | 333.96 | 51.66 | 71.05 | 142.79 |
| 20354 | 98.83 | 352.09 | 24.78 | 51.73 | 57.92 |
| 155 | 98.83 | 242.82 | 80.27 | 41.45 | 24.98 |
| 5667 | 98.83 | 1364.04 | 112.29 | 816.08 | 305.28 |
| 18750 | 98.81 | 372.57 | 8.69 | 246.42 | 71.72 |
| 22321 | 98.73 | 445.71 | 89.53 | 76.62 | 108.24 |
| 4178 | 98.73 | 79.54 | 11.94 | 39.39 | 54.77 |
| 10949 | 98.73 | 390.51 | 153.27 | 1874.53 | 687.28 |
| 18250 | 98.73 | 1694.19 | 100.64 | 952.01 | 198.91 |
| 12606 | 98.7 | 161.97 | 57.03 | 741.43 | 238.52 |
| 1893 | 98.7 | 164.59 | 74.91 | 31.84 | 31.29 |
| 5496 | 98.68 | 113.96 | 19.27 | 493.5 | 154.89 |
| 20701 | 98.68 | 2698.56 | 266.1 | 879.33 | 385.5 |
| 1572 | 98.65 | 172.32 | 13.47 | 73.12 | 32.33 |
| 19469 | 98.62 | 124.43 | 69.52 | 477.5 | 113.18 |
| 25675 | 98.62 | 1145.98 | 19.45 | 741.67 | 207.51 |
| 25687 | 98.62 | 2034.6 | 159.67 | 1275.29 | 658.59 |
| 21643 | 98.6 | 1666.53 | 167.12 | 891.15 | 220.23 |
| 24771 | 98.57 | 119.53 | 97.47 | 1109.43 | 314.81 |
| 20523 | 98.57 | 316.37 | 52.14 | 48.66 | 67.77 |
| 15626 | 98.57 | 2208.57 | 185.27 | 1329.28 | 250.81 |
| 18989 | 98.54 | 247.79 | 152.33 | 1480.44 | 689.51 |
| 20716 | 98.54 | 776.01 | 61.15 | 1643.73 | 473.59 |
| 15652 | 98.54 | 2214.91 | 91.58 | 1501.41 | 366.17 |
| 20698 | 98.54 | 3387.66 | 619.21 | 894.32 | 433.33 |
| 2667 | 98.52 | 317.82 | 43.77 | 809.25 | 200.01 |
| 1550 | 98.49 | 50.78 | 24.28 | 431.87 | 211.34 |

| TABLE 5FFF: Carcinogen-Cenotoxic | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20983 | 80.16 | 699.35 | 155.97 | 1005.91 | 291.23 |
| 4259 | 78.68 | 872.19 | 120.42 | 688.78 | 128.81 |
| 11576 | 78.68 | 42.97 | 21.82 | 82.03 | 29.1 |
| 23068 | 78.34 | 337.97 | 152.95 | 602.09 | 216.21 |
| 40 | 78.21 | 174.77 | 72.5 | 368.49 | 185.84 |
| 15372 | 78.11 | 235.86 | 46.01 | 181.71 | 55.03 |
| 4440 | 77.92 | 521.11 | 171.56 | 811.07 | 198.73 |
| 20741 | 77.72 | 56.74 | 26.65 | 21.22 | 29.83 |
| 7903 | 77.72 | 30.87 | 24.61 | 91.85 | 73.86 |
| 13055 | 77.69 | 314.8 | 83.29 | 481.93 | 173.91 |
| 3823 | 77.52 | 793.93 | 216.14 | 520.48 | 172.77 |
| 1246 | 77.46 | 42.88 | 20 | 79.11 | 30.1 |
| 19728 | 77.4 | 309.99 | 139.76 | 517.14 | 159.37 |
| 8143 | 77.15 | 86.21 | 47.18 | 35.73 | 105.66 |
| 5634 | 76.97 | 101.03 | 53.66 | 35.79 | 60.92 |
| 17729 | 76.83 | 1144.04 | 188.18 | 916.66 | 210.39 |
| 15029 | 76.76 | 1153.7 | 316.29 | 1594.83 | 523.1 |
| 20757 | 76.61 | 628.44 | 378.55 | 265.1 | 101.02 |
| 20984 | 76.6 | 907.16 | 202 | 1189.53 | 300.46 |
| 6015 | 76.5 | 1014.49 | 395.11 | 1519.13 | 389.63 |
| 15365 | 76.49 | 911.59 | 179.51 | 707.12 | 353.7 |
| 22554 | 76.42 | 936.55 | 345.68 | 1508.43 | 434.36 |
| 2435 | 76.31 | 238.98 | 44.37 | 187.81 | 45.95 |
| 9191 | 76.3 | 381.39 | 188.57 | 700.04 | 284.22 |
| 633 | 76.23 | 1035.25 | 269.13 | 1345.13 | 284.78 |
| 6471 | 76.01 | 335.96 | 97.67 | 509.97 | 190.25 |
| 729 | 75.97 | 133.33 | 51.18 | 226.84 | 81.36 |
| 16329 | 75.94 | 476.38 | 256.14 | 255.42 | 104.07 |
| 10611 | 75.93 | 140.38 | 141.73 | 21.78 | 29.86 |
| 3916 | 75.89 | 1137.68 | 315.72 | 1549.62 | 408.07 |
| 2569 | 75.84 | 696.92 | 495.63 | 913.6 | 280.73 |
| 7918 | 75.77 | 85.91 | 26.54 | 62.72 | 31.29 |
| 15382 | 75.74 | 293.92 | 222.54 | 161.59 | 305.54 |
| 255 | 75.59 | 341.21 | 92.99 | 464.88 | 124.43 |
| 22722 | 75.52 | 395.48 | 556.93 | 22.55 | 41.68 |
| 11635 | 75.5 | 194.77 | 69.22 | 294.23 | 87.63 |
| 16847 | 75.47 | 894.72 | 145.41 | 712.69 | 169.88 |
| 1867 | 75.38 | 823.2 | 173.19 | 625.16 | 162.19 |
| 20839 | 75.35 | 1382.24 | 215.11 | 1128.38 | 213.94 |
| 547 | 75.32 | 483.82 | 102.27 | 371.33 | 89.89 |
| 17549 | 75.25 | 841.2 | 147 | 651.48 | 144.29 |
| 25702 | 75.25 | 634.55 | 124.24 | 491.54 | 177.05 |
| 22559 | 75.24 | 683.97 | 197.13 | 979.9 | 319.54 |
| 23285 | 75.12 | 504.92 | 120.97 | 356.86 | 132.69 |
| 11403 | 75.05 | 397.6 | 225.11 | 179.74 | 198.49 |
| 9067 | 75.03 | 1013.09 | 266.39 | 708.46 | 235.21 |
| 15393 | 75.01 | 313.66 | 64.63 | 429.1 | 98.24 |
| 13056 | 74.95 | 205.08 | 53.55 | 289.43 | 92.14 |
| 10109 | 74.95 | 1225.48 | 174.73 | 1042.6 | 223.01 |
| 24771 | 74.88 | 813.83 | 245.68 | 1115.47 | 315.73 |
| 5934 | 74.83 | 232.5 | 105.47 | 371.97 | 166.12 |

| TABLE 5FFF: Carcinogen-Genotoxic | | | Attorney Docket 44921-5038-01-WO | | |
|----------------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Document No. 1935828.1 | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 5464 | 74.82 | 573.92 | 273.07 | 322.1 | 134.97 |
| 22931 | 74.76 | 58.34 | 37.34 | 140.64 | 97.53 |
| 24615 | 74.73 | 1024.85 | 188.08 | 829.18 | 195.6 |
| 6473 | 74.72 | 100.21 | 36.16 | 159.86 | 60.45 |
| 18525 | 74.71 | 192.5 | 144.81 | 203.43 | 77.82 |
| 15900 | 74.64 | 241.59 | 54.79 | 184 | 77.26 |
| 7888 | 74.62 | 367.74 | 111.47 | 262.4 | 139.88 |
| 1846 | 74.56 | 442.88 | 87.61 | 553.88 | 111.48 |
| 18713 | 74.56 | 467.98 | 136.85 | 329.64 | 109.36 |
| 18795 | 74.42 | 805.43 | 297.81 | 534.59 | 197.41 |
| 4441 | 74.41 | 1020.22 | 174.79 | 846.69 | 217.89 |
| 11830 | 74.31 | 988.21 | 424.5 | 615.36 | 243.9 |
| 22370 | 74.21 | 181.13 | 49.71 | 269.95 | 104.72 |
| 17533 | 74.18 | 198.65 | 90.33 | 308.74 | 124.97 |
| 11644 | 74.18 | 570.25 | 242.53 | 861.41 | 219.77 |
| 9012 | 74.15 | 447.75 | 242.26 | 707.87 | 273.4 |
| 23299 | 74.11 | 364.84 | 199.84 | 198.53 | 145.93 |
| 17175 | 74.09 | 866.87 | 216.39 | 606.64 | 164.99 |
| 12030 | 74.06 | 130.76 | 41.74 | 88.56 | 26.4 |
| 3367 | 74.04 | 765.01 | 229.59 | 526.96 | 195.19 |
| 20879 | 73.95 | 339.87 | 222.19 | 630.85 | 268.79 |
| 20986 | 73.94 | 200.11 | 64.05 | 342.36 | 172.2 |
| 4914 | 73.93 | 336.27 | 135.21 | 484.55 | 150.01 |
| 3411 | 73.88 | 1506.3 | 275.64 | 1799.96 | 454.13 |
| 15842 | 73.84 | 225.78 | 49.2 | 179.93 | 50.04 |
| 21458 | 73.78 | 558.82 | 240.46 | 395.15 | 291.91 |
| 15684 | 73.77 | 535.32 | 171.5 | 357.54 | 133.92 |
| 20939 | 73.73 | 254.05 | 59.42 | 205.48 | 70.48 |
| 6190 | 73.65 | 111.15 | 26.5 | 138.78 | 31.34 |
| 20712 | 73.56 | 827.09 | 243.59 | 1121.96 | 381.01 |
| 15135 | 73.56 | 982.15 | 194.11 | 784.61 | 186.24 |
| 25705 | 73.48 | 1130.61 | 452.71 | 732.69 | 175.44 |
| 17394 | 73.44 | 484.24 | 156.91 | 338.77 | 141.41 |
| 16005 | 73.42 | 497.67 | 98.02 | 402.72 | 80.72 |
| 23854 | 73.42 | 605.72 | 142.51 | 448.39 | 148.54 |
| 20427 | 73.37 | 957.46 | 132.45 | 788.39 | 160.54 |
| 7074 | 73.36 | 95.53 | 88.43 | 90.31 | 47.48 |
| 13966 | 73.35 | 242.42 | 97.55 | 173 | 40.64 |
| 15700 | 73.35 | 321.6 | 97.74 | 452.04 | 123.03 |
| 9475 | 73.35 | 562.32 | 280.75 | 867.4 | 305.84 |
| 22930 | 73.32 | 247.44 | 200.56 | 546.96 | 351.23 |
| 4091 | 73.25 | 471.63 | 134.48 | 340.62 | 93.48 |
| 2150 | 73.17 | 645.2 | 130.14 | 786.17 | 162.88 |
| 22929 | 73.15 | 542.45 | 417.96 | 1259.22 | 787.08 |
| 3266 | 73.15 | 205.41 | 44.72 | 156.16 | 36.08 |
| 2901 | 73.15 | 79.07 | 22.22 | 104.35 | 30.98 |
| 11404 | 73.08 | 362.81 | 158.8 | 217.06 | 125.26 |
| 22928 | 73.07 | 126.54 | 87.09 | 288.07 | 184.84 |
| 10540 | 73.05 | 53.88 | 42.58 | 23.14 | 16.86 |
| 18715 | 72.97 | 257.87 | 78.53 | 194.8 | 76.01 |
| 11136 | 72.96 | 449.61 | 137.53 | 312.81 | 116.46 |

| TABLE 5FFF: Carcinogen-Genotoxic | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17532 | 72.95 | 330.59 | 135.24 | 497.36 | 166.67 |
| 3815 | 72.94 | 128.87 | 50.95 | 78.63 | 23.37 |
| 15239 | 72.88 | 779.22 | 133.42 | 624.37 | 246.85 |
| 17123 | 72.87 | 149.5 | 49.66 | 107.58 | 35.69 |
| 6782 | 72.84 | 288.69 | 61.6 | 232.13 | 63.15 |
| 16730 | 72.74 | 48.09 | 28.3 | 24.39 | 24.83 |
| 16304 | 72.71 | 1105.36 | 317.54 | 1507.83 | 506.73 |
| 24778 | 72.7 | 577.7 | 564.8 | 98.97 | 234.12 |
| 10503 | 72.68 | 479.94 | 104.93 | 582.57 | 128.92 |
| 13682 | 72.64 | 221.24 | 64.44 | 152.63 | 61.18 |
| 28 | 72.59 | 545.87 | 233.72 | 811.63 | 265.75 |
| 20600 | 72.47 | 274.75 | 204.7 | 605.42 | 332.11 |
| 20707 | 72.28 | 348.78 | 144.24 | 613.33 | 299.66 |
| 2434 | 72.26 | 42.02 | 12.88 | 30.15 | 12.8 |
| 25321 | 72.2 | 409.66 | 421.38 | 59.37 | 156.4 |
| 20801 | 72.17 | 97.75 | 51.86 | 62.18 | 46.61 |
| 19103 | 72.14 | 747.67 | 437.88 | 744.26 | 226.84 |
| 14822 | 72.1 | 209.5 | 82.11 | 139.33 | 51.2 |
| 5351 | 72.09 | 721.41 | 124.07 | 589 | 116.71 |
| 24469 | 72.05 | 785.62 | 215.18 | 617.71 | 197.63 |
| 21087 | 71.96 | 35.31 | 17.36 | 68.51 | 36.42 |
| 1175 | 71.93 | 353.24 | 183.01 | 638.24 | 348.68 |
| 405 | 71.89 | 804.08 | 162.67 | 945.58 | 196.85 |
| 20601 | 71.86 | 516.59 | 324.59 | 981.19 | 455.85 |
| 356 | 71.8 | 200.16 | 169.71 | 144.6 | 59.51 |
| 24434 | 71.79 | 145.61 | 68.25 | 235.38 | 100.01 |
| 17995 | 71.7 | 1117.11 | 606.29 | 1713.35 | 645.83 |
| 9620 | 71.7 | 646.71 | 130.02 | 530 | 110.43 |
| 12639 | 71.68 | 1259.44 | 170.87 | 1097.73 | 174.38 |
| 16204 | 71.68 | 962.07 | 191.09 | 763.75 | 201.3 |
| 17963 | 71.67 | 72.41 | 33.08 | 107.45 | 45.15 |
| 21842 | 71.57 | 305.78 | 167.14 | 570.47 | 294.85 |
| 8829 | 71.53 | 313.15 | 162.13 | 194.22 | 107.88 |
| 13088 | 71.5 | 876.21 | 410.92 | 1286.69 | 436.77 |
| 16993 | 71.4 | 851.77 | 188.69 | 1063.49 | 297.04 |
| 15703 | 71.37 | 168.61 | 83.18 | 132.73 | 49.27 |
| 20299 | 71.36 | 502.59 | 257.3 | 731.57 | 247.08 |
| 1501 | 71.36 | 653.34 | 199.83 | 498.08 | 251.52 |
| 1529 | 71.34 | 470.01 | 105.5 | 572.8 | 127.8 |
| 1169 | 71.32 | 92.59 | 38.7 | 62.31 | 33.89 |
| 14959 | 71.29 | 706.04 | 185.41 | 533.74 | 172.72 |
| 15462 | 71.27 | 441.23 | 94.56 | 548.25 | 119.8 |
| 16306 | 71.25 | 827.04 | 217.7 | 1107.54 | 253.09 |
| 23240 | 71.25 | 326.07 | 66.79 | 269.57 | 66.49 |
| 18867 | 71.23 | 633.39 | 190.27 | 831.22 | 221.77 |
| 24648 | 71.22 | 70.9 | 18.08 | 93.54 | 28.64 |
| 17589 | 71.17 | 55.66 | 27.94 | 32.99 | 34.18 |
| 20872 | 71.17 | 1105.67 | 418.43 | 755.24 | 251.63 |
| 11137 | 71.16 | 581.96 | 177.06 | 409.74 | 155.78 |
| 19086 | 71.07 | 202.28 | 100.76 | 120.19 | 67.66 |
| 2696 | 71.02 | 774.12 | 182.13 | 616.08 | 158.96 |

| TABLE 5FFF: Carcinogen-Genotoxic | | Attorney Docket 44921-5033-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17758 | 70.99 | 152.5 | 72.7 | 369.15 | 378.61 |
| 17104 | 70.96 | 714.4 | 187.94 | 538.37 | 138.23 |
| 17101 | 70.85 | 245.79 | 88.54 | 181.78 | 63.4 |
| 10545 | 70.77 | 334.5 | 136.91 | 215.02 | 84.92 |
| 13282 | 70.54 | 182.55 | 50.18 | 226.06 | 78.52 |
| 6911 | 70.53 | 170.87 | 69.42 | 235.47 | 74.25 |
| 794 | 70.5 | 625.94 | 167.38 | 806.91 | 228.44 |
| 17086 | 70.49 | 162.73 | 43.06 | 120.13 | 46.89 |
| 20807 | 70.44 | 1084.34 | 174.14 | 905.22 | 211.25 |

| TABLE 5GGG: Carcinogen-Non-Toxic | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22929 | 86.31 | 202.65 | 243.15 | 1271.54 | 777.33 |
| 22931 | 82.75 | 27.9 | 25.98 | 141.8 | 96.72 |
| 13088 | 82.6 | 686.52 | 381.81 | 1293.6 | 430.3 |
| 22930 | 82.38 | 123.6 | 112.23 | 551.55 | 348.45 |
| 19732 | 82.27 | 426.53 | 242.61 | 1003.1 | 464.66 |
| 1698 | 82.13 | 715.86 | 416.64 | 195.56 | 183.03 |
| 633 | 81.83 | 984.91 | 212.98 | 1347.51 | 283.97 |
| 19363 | 80.87 | 745.28 | 464.57 | 1931.43 | 893.41 |
| 2296 | 80.74 | 542.9 | 191.42 | 900.05 | 268.12 |
| 5460 | 80.36 | 49.99 | 27.29 | 98.71 | 37.23 |
| 11644 | 80.18 | 542.13 | 201.52 | 863.06 | 219.23 |
| 2297 | 80.15 | 547.96 | 208.15 | 931.75 | 310.44 |
| 12312 | 79.77 | 642.76 | 214.86 | 982.24 | 263.15 |
| 5874 | 79.7 | 74.06 | 27.43 | 121.86 | 51.4 |
| 17401 | 79.4 | 202.67 | 90.98 | 440.15 | 216.71 |
| 6017 | 79.37 | 188.49 | 230.04 | 799.56 | 501.54 |
| 16726 | 79.2 | 570.05 | 132.38 | 798.45 | 195.2 |
| 22928 | 79.12 | 73.4 | 57.4 | 290.13 | 183.52 |
| 20299 | 79.09 | 405.03 | 217.32 | 735.16 | 244.53 |
| 6673 | 79 | 519.07 | 180 | 807.13 | 245.06 |
| 4440 | 79 | 480.57 | 182.55 | 813.1 | 195.97 |
| 2515 | 78.96 | 413.28 | 122.61 | 623.77 | 181.24 |
| 25443 | 78.73 | 753.02 | 293.07 | 1128.42 | 333.11 |
| 2484 | 78.49 | 117.26 | 92.32 | 363.06 | 222.07 |
| 7697 | 78.44 | 286.4 | 90.97 | 456.25 | 149.18 |
| 13294 | 78.2 | 491.42 | 124.88 | 343.94 | 103.87 |
| 9191 | 78.18 | 333.99 | 195.47 | 702.36 | 282.05 |
| 1551 | 77.99 | 628.31 | 302.15 | 1038.16 | 365.32 |
| 5873 | 77.84 | 208.91 | 105.22 | 322.46 | 110.47 |
| 18525 | 77.75 | 132.21 | 104.11 | 205.3 | 78.51 |
| 25702 | 77.64 | 655.42 | 142.03 | 490.51 | 176.05 |
| 2587 | 77.62 | 1087.03 | 364.45 | 1666 | 451.19 |
| 5711 | 77.52 | 622.81 | 297.26 | 1082.92 | 334.1 |
| 2799 | 77.5 | 230.09 | 144.75 | 500.08 | 222.88 |
| 18867 | 77.47 | 677.46 | 435.28 | 830.41 | 212.11 |
| 14512 | 77.46 | 582.78 | 262.42 | 1069.95 | 371.04 |
| 20998 | 77.43 | 980.81 | 472.73 | 1254.99 | 328.95 |
| 14510 | 77.39 | 1876.72 | 770.4 | 3284.35 | 1189.09 |
| 1173 | 77.32 | 802.93 | 643.06 | 1595.45 | 690.58 |
| 32 | 77.28 | 214.07 | 60.12 | 299.71 | 82.68 |
| 12524 | 77.27 | 518.08 | 136.59 | 389.04 | 109.44 |
| 16204 | 77.11 | 972.01 | 210.14 | 762.9 | 200.18 |
| 6015 | 77.04 | 978.18 | 432.57 | 1521.61 | 386.02 |
| 24434 | 77.01 | 118.64 | 62.4 | 236.44 | 99.22 |
| 21052 | 76.99 | 160.04 | 82.51 | 295.08 | 107.92 |
| 15141 | 76.99 | 210 | 49.83 | 144.06 | 46.64 |
| 19458 | 76.95 | 316.27 | 152.68 | 507.89 | 142.85 |
| 357 | 76.82 | 54.64 | 44.55 | 75.02 | 34.01 |
| 1501 | 76.76 | 680.6 | 198.7 | 496.82 | 250.98 |
| 21977 | 76.71 | 497.11 | 152.13 | 713.85 | 219.55 |
| 14103 | 76.69 | 160.55 | 71.08 | 269.12 | 112.4 |

| TABLE 5CGG: Carcinogen--Non-Toxic | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3411 | 76.59 | 1332.3 | 361.54 | 1806.07 | 447.92 |
| 23417 | 76.56 | 337.52 | 112.64 | 226.74 | 68.65 |
| 3823 | 76.48 | 696.96 | 185.24 | 522.69 | 176.92 |
| 13563 | 76.46 | 1272.5 | 1063.56 | 1181.18 | 312.74 |
| 9016 | 76.41 | 1605.31 | 1194.36 | 2662.59 | 971.34 |
| 6007 | 76.37 | 426.96 | 77.88 | 554.92 | 111.97 |
| 10503 | 76.36 | 455.68 | 101.8 | 583.59 | 128.28 |
| 9336 | 76.17 | 114.48 | 64.74 | 276.17 | 169.66 |
| 17850 | 75.94 | 504.84 | 132.42 | 376.73 | 95.85 |
| 4091 | 75.94 | 470.39 | 101.29 | 340.3 | 94.39 |
| 20707 | 75.81 | 453.29 | 493.23 | 610.87 | 290.64 |
| 17849 | 75.78 | 1570.36 | 493.86 | 1069.97 | 305.55 |
| 19470 | 75.75 | 334.94 | 132.9 | 513.28 | 149.42 |
| 14738 | 75.65 | 940.09 | 234.19 | 1342.28 | 357.93 |
| 4093 | 75.62 | 725.12 | 144.3 | 565.89 | 161.11 |
| 2569 | 75.55 | 677.8 | 411.57 | 914.77 | 283.28 |
| 23390 | 75.5 | 673.73 | 232.49 | 440.42 | 149.99 |
| 2299 | 75.49 | 214.32 | 101.04 | 359.78 | 126.42 |
| 1478 | 75.46 | 289.8 | 109.15 | 427.18 | 117.78 |
| 20872 | 75.26 | 958.3 | 204.21 | 758.78 | 262.97 |
| 6406 | 75.26 | 125.54 | 80.07 | 56.2 | 78.4 |
| 17887 | 75.22 | 822.69 | 360.31 | 1166.09 | 312.15 |
| 4090 | 75.2 | 790.43 | 147.59 | 601.11 | 150.05 |
| 19993 | 75.17 | 523.53 | 141.7 | 394.77 | 187.13 |
| 26123 | 75.12 | 484.05 | 206.18 | 286.56 | 147.67 |
| 5943 | 75.07 | 328.64 | 183.9 | 655.3 | 309.44 |
| 23362 | 75.03 | 367.93 | 155.31 | 210.62 | 68.03 |
| 23070 | 75.01 | 138.72 | 31.01 | 104.6 | 28.91 |
| 15654 | 74.95 | 474.6 | 162.84 | 320.1 | 145.23 |
| 20430 | 74.9 | 480.93 | 246.6 | 834.64 | 378.27 |
| 17179 | 74.89 | 123.13 | 43.67 | 83.31 | 41.87 |
| 20862 | 74.83 | 170.81 | 66.32 | 275.48 | 96.48 |
| 11404 | 74.77 | 346.74 | 157.49 | 217.16 | 125.51 |
| 17049 | 74.76 | 229.42 | 98.95 | 340.73 | 98.41 |
| 3995 | 74.75 | 1188.34 | 436.49 | 1635.65 | 371.62 |
| 24811 | 74.72 | 981.08 | 431.27 | 1520.23 | 449.47 |
| 22558 | 74.7 | 2457.9 | 548.19 | 3224.82 | 776.48 |
| 794 | 74.65 | 580.03 | 190.24 | 808.8 | 226.58 |
| 1561 | 74.64 | 608.51 | 210.01 | 881.05 | 218.39 |
| 7888 | 74.59 | 350.2 | 109.39 | 262.65 | 140.26 |
| 22820 | 74.59 | 503.78 | 208.71 | 306.29 | 127.03 |
| 6824 | 74.52 | 766.23 | 366.65 | 405.29 | 201.16 |
| 6390 | 74.47 | 113.7 | 53.01 | 59.45 | 38.3 |
| 23448 | 74.44 | 2363.27 | 1438.39 | 1051.79 | 811.05 |
| 14962 | 74.38 | 493.78 | 167.48 | 409.25 | 114.02 |
| 1867 | 74.34 | 829.89 | 194.73 | 624.42 | 160.84 |
| 14007 | 74.26 | 151.2 | 37.63 | 206.51 | 64.51 |
| 4441 | 74.25 | 1007.74 | 178.02 | 846.6 | 218.02 |
| 15955 | 74.24 | 144.38 | 137.03 | 195.89 | 92.94 |
| 10109 | 74.11 | 1278.13 | 244.78 | 1040.49 | 219.4 |
| 20466 | 74.06 | 293 | 99.2 | 431.14 | 148.29 |

| TABLE 5CGG: Carcinogen-Non-Toxic | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCG Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23854 | 74.05 | 625.85 | 175.43 | 447.35 | 146.56 |
| 2149 | 73.99 | 737.52 | 211.62 | 978.87 | 219.16 |
| 24771 | 73.92 | 782.11 | 295.53 | 1117.26 | 313.23 |
| 16684 | 73.89 | 557.07 | 248.27 | 349.5 | 137.39 |
| 356 | 73.83 | 112.43 | 92.51 | 147.13 | 64.24 |
| 8984 | 73.79 | 259.82 | 81.37 | 178.26 | 56.75 |
| 13646 | 73.69 | 981.81 | 229.01 | 741.19 | 192.24 |
| 1550 | 73.66 | 224.43 | 157.87 | 437.37 | 210.13 |
| 17292 | 73.65 | 513.55 | 224.67 | 758.44 | 246.74 |
| 1479 | 73.54 | 209.56 | 82.63 | 298.91 | 94.51 |
| 1447 | 73.54 | 297.12 | 61.7 | 239.48 | 59.43 |
| 17324 | 73.53 | 266.43 | 79.83 | 381.68 | 117.25 |
| 25747 | 73.47 | 582.23 | 229.47 | 421.39 | 232.45 |
| 24810 | 73.37 | 236.63 | 127.1 | 422.34 | 148.72 |
| 20741 | 73.34 | 59.11 | 43.76 | 21.05 | 29.08 |
| 1529 | 73.27 | 449.84 | 139.42 | 573.7 | 126.21 |
| 8182 | 73.2 | 1114.17 | 340.22 | 1464.93 | 330.86 |
| 15535 | 73.14 | 665.35 | 137.93 | 516.19 | 134.91 |
| 8317 | 73.14 | 376.97 | 158.53 | 643.26 | 219.6 |
| 15335 | 73.07 | 508.46 | 165.1 | 359.73 | 151.62 |
| 17473 | 73.04 | 353.48 | 142.47 | 227.44 | 93.48 |
| 20864 | 73.03 | 1059.38 | 686.68 | 453.34 | 352.78 |
| 24228 | 73.02 | 772.77 | 127.78 | 985.56 | 264.52 |
| 11635 | 72.98 | 198.14 | 66.56 | 294.4 | 87.69 |
| 10509 | 72.96 | 95.38 | 35.94 | 139.78 | 54.12 |
| 18606 | 72.92 | 948.1 | 210.63 | 722.76 | 173.7 |
| 14959 | 72.83 | 749.08 | 210.81 | 531.96 | 170.07 |
| 20429 | 72.81 | 390.99 | 171.02 | 631.51 | 260.07 |
| 23321 | 72.68 | 255.86 | 108.44 | 237.45 | 63.41 |
| 2150 | 72.65 | 638.05 | 142.4 | 786.77 | 162.3 |
| 9134 | 72.46 | 588.63 | 132.56 | 469.81 | 104.59 |
| 25480 | 72.46 | 421.15 | 151.83 | 611.36 | 191.9 |
| 2505 | 72.44 | 552.09 | 200.64 | 759.15 | 189.26 |
| 22582 | 72.41 | 297.74 | 125.32 | 441.85 | 141.39 |
| 5749 | 72.4 | 265.17 | 70.18 | 195.41 | 85.11 |
| 3815 | 72.39 | 104.79 | 28.13 | 79.23 | 25.37 |
| 16205 | 72.34 | 1370.36 | 314.88 | 1090.44 | 256.99 |
| 24645 | 72.3 | 292.1 | 102.19 | 400.77 | 171.29 |
| 6405 | 72.26 | 61.65 | 28.48 | 39.31 | 34.42 |
| 4748 | 72.22 | 870.64 | 350.08 | 1197.05 | 350.11 |
| 3254 | 72.21 | 362.51 | 115.54 | 253.72 | 87.89 |
| 21054 | 72.19 | 305.12 | 160.26 | 522.03 | 206.99 |
| 17123 | 72.18 | 144.86 | 42.38 | 107.6 | 36.01 |
| 2578 | 72.12 | 218.28 | 69.5 | 158.33 | 47.55 |
| 17175 | 72.11 | 854.18 | 223.44 | 606.32 | 164.58 |
| 25686 | 72.08 | 904.7 | 224.67 | 716.42 | 183.96 |
| 293 | 72 | 146.02 | 67.63 | 238.27 | 84.09 |
| 9136 | 72 | 441.84 | 113.66 | 335.26 | 86.94 |
| 16507 | 72 | 123.55 | 29.96 | 93.01 | 34.31 |
| 17549 | 71.96 | 794.93 | 142.99 | 652.37 | 145.68 |
| 3987 | 71.94 | 342.64 | 83.07 | 267.98 | 77 |

| TABLE 5GCG: Carcinogen-Non-Toxic | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18906 | 71.94 | 57.48 | 49.51 | 82.24 | 35.68 |
| 20056 | 71.94 | 77.77 | 27.94 | 110.46 | 33.73 |
| 11153 | 71.89 | 459.58 | 195.06 | 637.39 | 200.55 |
| 4259 | 71.88 | 828 | 158.81 | 689.63 | 128.92 |
| 15700 | 71.84 | 328.33 | 95.82 | 452.19 | 123.16 |
| 10545 | 71.84 | 320.5 | 112.94 | 215.12 | 86.12 |

| TABLE 5HHH: CHOLESTASIS | | | | | |
|-------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| CLGG | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20741 | 92.14 | 90.08 | 35.85 | 21.19 | 29.08 |
| 6015 | 91.66 | 744.06 | 225.7 | 1516.55 | 389.35 |
| 22554 | 91.2 | 667.59 | 247.27 | 1504.96 | 432.76 |
| 23183 | 90.91 | 94.02 | 27.25 | 217.85 | 90.97 |
| 20983 | 90.75 | 540.44 | 138.88 | 1004.27 | 289.02 |
| 16703 | 90.59 | 706.11 | 95.31 | 1175.97 | 383.92 |
| 6560 | 90.34 | 229.23 | 83.61 | 85.02 | 40.56 |
| 17613 | 90.29 | 494.29 | 84.97 | 304.32 | 124.95 |
| 26123 | 89.7 | 529.03 | 110.36 | 288.98 | 151.21 |
| 14384 | 89.38 | 385 | 62.18 | 245.77 | 62.65 |
| 13646 | 89.19 | 1093.26 | 133.75 | 743.32 | 193.95 |
| 19824 | 88.82 | 95.83 | 93.65 | 377.21 | 161.39 |
| 17104 | 88.71 | 834.27 | 167.68 | 538.9 | 137.83 |
| 24771 | 88.44 | 726.33 | 139.91 | 1112.86 | 316.28 |
| 24707 | 88.25 | 620.55 | 153.06 | 1269.92 | 452.54 |
| 8872 | 88.2 | 716.19 | 111.07 | 490.95 | 240.53 |
| 16684 | 88.17 | 673.37 | 172.01 | 351.04 | 140.57 |
| 4944 | 88.12 | 219.69 | 53.41 | 126.98 | 121.64 |
| 11231 | 87.96 | 818.71 | 78.36 | 630.9 | 136.28 |
| 25702 | 87.88 | 703.29 | 94.66 | 492.38 | 176.47 |
| 20056 | 87.8 | 61.19 | 18.18 | 110.19 | 33.69 |
| 9016 | 87.69 | 1099.32 | 593.71 | 2653.47 | 981.88 |
| 21871 | 87.58 | 497.12 | 102.43 | 321.25 | 77.28 |
| 13294 | 87.55 | 529.85 | 77.35 | 345.67 | 105.58 |
| 16809 | 87.45 | 63.15 | 19.66 | 29.36 | 25.68 |
| 18606 | 87.45 | 1009.46 | 159.18 | 725.38 | 176.03 |
| 13088 | 87.45 | 523.66 | 325.72 | 1286.51 | 433.05 |
| 3528 | 87.42 | 159.44 | 68.9 | 42.47 | 39.22 |
| 15136 | 87.1 | 851.83 | 155.61 | 584.48 | 293.28 |
| 14959 | 87.04 | 816.62 | 149.36 | 534.36 | 172.37 |
| 19470 | 87 | 318.75 | 59.8 | 510.74 | 151.17 |
| 23305 | 86.51 | 148.99 | 27.65 | 91.22 | 45.71 |
| 24012 | 86.4 | 1706.26 | 780.38 | 400.68 | 296.15 |
| 13966 | 86.4 | 247.11 | 39.78 | 173.83 | 43.76 |
| 16306 | 86.32 | 675.36 | 164.39 | 1106.12 | 252.13 |
| 6017 | 86.22 | 118.77 | 172.59 | 791.07 | 503.2 |
| 17956 | 86.13 | 95.77 | 20.76 | 57.69 | 18.97 |
| 7247 | 86.08 | 236.37 | 62.85 | 144.26 | 87.67 |
| 4490 | 86.06 | 461.78 | 90.27 | 303.75 | 139.97 |
| 9402 | 86.05 | 279.04 | 50.68 | 186.55 | 52.26 |
| 1246 | 86 | 31.81 | 17.01 | 78.8 | 30.07 |
| 23987 | 85.89 | 320.62 | 95.39 | 168.04 | 66.42 |
| 19825 | 85.89 | 90.39 | 100.04 | 358.83 | 160.28 |
| 17887 | 85.87 | 737.88 | 132.89 | 1161.98 | 316.82 |
| 24013 | 85.81 | 166.12 | 57.09 | 61.55 | 62.16 |
| 16945 | 85.79 | 914.03 | 98.23 | 717.83 | 140.17 |
| 6824 | 85.73 | 620.78 | 139.94 | 413.01 | 216.13 |
| 22258 | 85.71 | 31.08 | 6.44 | 58.56 | 21.86 |
| 10545 | 85.62 | 353.1 | 66.1 | 216.28 | 87.59 |
| 23013 | 85.62 | 322.24 | 44.23 | 230.85 | 71.33 |
| 5711 | 85.46 | 512.83 | 219.43 | 1077.36 | 336.81 |

| TABLE SHHH: CHOLESTASIS | | | | | |
|-------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5033-01-WO | | |
| | | | Document No. 1935828.1 | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2569 | 85.43 | 436.6 | 171.55 | 914.58 | 286.29 |
| 10544 | 85.38 | 257.71 | 40.73 | 178.71 | 71.27 |
| 15684 | 85.27 | 623.14 | 133.04 | 358.56 | 134.49 |
| 4674 | 85.2 | 245.09 | 107.99 | 553.94 | 205.62 |
| 19211 | 85.19 | 202.33 | 58.11 | 118.63 | 48.13 |
| 15654 | 85.19 | 512.05 | 126.73 | 321.96 | 146.64 |
| 5351 | 85.11 | 771.9 | 108.26 | 589.97 | 117 |
| 13647 | 85.09 | 1506.26 | 242.56 | 1015.34 | 335.18 |
| 12313 | 85.09 | 803.88 | 1203.15 | 3739.92 | 1814.05 |
| 17101 | 85.08 | 303.37 | 64.91 | 181.77 | 63.38 |
| 20984 | 85.01 | 788.04 | 223.93 | 1187.62 | 298.92 |
| 15090 | 84.98 | 98.5 | 12.85 | 70.45 | 24.28 |
| 16783 | 84.98 | 96.08 | 41.76 | 28.43 | 39.83 |
| 23491 | 84.97 | 316.82 | 108.47 | 137.45 | 62.47 |
| 17175 | 84.95 | 983.14 | 170.88 | 608.3 | 165.88 |
| 3665 | 84.95 | 325.86 | 73.28 | 197.48 | 75.25 |
| 23714 | 84.95 | 236.21 | 68.5 | 104.55 | 57.21 |
| 3705 | 84.9 | 114.33 | 34.32 | 60.36 | 26.44 |
| 6016 | 84.88 | 1292.73 | 333.16 | 2110.3 | 767.22 |
| 20891 | 84.87 | 193.24 | 43.34 | 105.03 | 53.22 |
| 970 | 84.84 | 412.68 | 209.81 | 98.53 | 101.64 |
| 13729 | 84.82 | 382.69 | 85.3 | 202.69 | 94.02 |
| 22929 | 84.82 | 222.73 | 282.8 | 1254.63 | 783.31 |
| 19732 | 84.74 | 451.41 | 140.89 | 993.78 | 468.51 |
| 18612 | 84.73 | 190.71 | 55.59 | 100.53 | 36.94 |
| 11050 | 84.71 | 838.82 | 127.28 | 596.09 | 192.37 |
| 7690 | 84.66 | 238.76 | 91.24 | 60.07 | 120.66 |
| 969 | 84.65 | 221.39 | 116.26 | 54.63 | 60.9 |
| 3794 | 84.65 | 98.73 | 36.78 | 31.72 | 46.53 |
| 11660 | 84.58 | 132.32 | 20.04 | 95.48 | 33.62 |
| 12613 | 84.55 | 155.89 | 38.68 | 96.23 | 46.52 |
| 12585 | 84.52 | 893.65 | 169.22 | 605.13 | 137.5 |
| 17049 | 84.47 | 209.93 | 47.28 | 339.28 | 99.57 |
| 22916 | 84.45 | 529.34 | 78.41 | 346.84 | 147.33 |
| 9191 | 84.42 | 245.63 | 155.17 | 697.91 | 283.09 |
| 4090 | 84.42 | 830.26 | 105.56 | 603.48 | 151.54 |
| 25686 | 84.39 | 1008.27 | 167.91 | 717.85 | 185.05 |
| 17502 | 84.36 | 150.71 | 46.17 | 82.47 | 49.96 |
| 3757 | 84.34 | 138.56 | 33.71 | 78.23 | 40.92 |
| 8430 | 84.2 | 106.84 | 22.53 | 62.05 | 26.66 |
| 17393 | 84.17 | 246.82 | 65.21 | 139.52 | 81.33 |
| 17174 | 84.17 | 77.26 | 26.33 | 42.58 | 17.86 |
| 22196 | 84.17 | 86.58 | 25.8 | 47.5 | 31.75 |
| 3823 | 84.17 | 759.08 | 172.82 | 524.5 | 177.51 |
| 16610 | 84.15 | 256.08 | 55.99 | 146.34 | 74.84 |
| 3916 | 84.15 | 984.74 | 203.68 | 1546.53 | 408.03 |
| 25718 | 84.14 | 685.09 | 130.78 | 433.33 | 109.06 |
| 21466 | 84.13 | 3525.99 | 1023.2 | 6579.04 | 2976.48 |
| 356 | 84.02 | 63.78 | 32.89 | 147.29 | 65.08 |
| 24469 | 83.99 | 818.37 | 140.61 | 619.4 | 199.26 |
| 20380 | 83.94 | 75.74 | 35.74 | 170.48 | 70.01 |

| TABLE 5HHH: CHOLESTASIS | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney/Docket 44921-5033-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| GLTC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16204 | 83.88 | 1044.4 | 175.43 | 765.11 | 201.21 |
| 8984 | 83.83 | 273.94 | 46.55 | 179.32 | 58.33 |
| 17123 | 83.8 | 160.3 | 29.04 | 107.96 | 36.32 |
| 16205 | 83.8 | 1480.52 | 214.2 | 1093.2 | 259.7 |
| 18277 | 83.77 | 949.13 | 94.46 | 737.39 | 140.15 |
| 16947 | 83.75 | 772.85 | 169.41 | 1158.46 | 321.33 |
| 20299 | 83.69 | 338.61 | 214.95 | 730.99 | 246.16 |
| 968 | 83.66 | 493.11 | 219.76 | 171.58 | 122.72 |
| 24235 | 83.61 | 475.37 | 123.19 | 327.74 | 169.14 |
| 23220 | 83.53 | 143.64 | 48.36 | 83.95 | 29.08 |
| 18318 | 83.53 | 210.02 | 85.94 | 86.19 | 63.17 |
| 20862 | 83.51 | 145.45 | 46.39 | 274.22 | 96.68 |
| 25443 | 83.51 | 731.83 | 177.75 | 1122.89 | 336.53 |
| 4235 | 83.43 | 491.5 | 85.11 | 325.66 | 121.73 |
| 18573 | 83.37 | 187.56 | 28.65 | 132.44 | 33.53 |
| 8426 | 83.34 | 60.2 | 17.67 | 37.11 | 20.62 |
| 20716 | 83.27 | 1114.83 | 155.81 | 1649.53 | 473.56 |
| 4234 | 83.18 | 779.09 | 129.56 | 613.91 | 299.98 |
| 1308 | 83.18 | 57.53 | 26.59 | 20.45 | 17.92 |
| 18180 | 82.94 | 38.58 | 11.4 | 23.37 | 11.04 |
| 17688 | 82.81 | 81.87 | 20.5 | 55.67 | 29.7 |
| 20464 | 82.63 | 1202.81 | 204.66 | 1789.09 | 559.04 |
| 16507 | 82.62 | 138.35 | 26.65 | 93.27 | 34.26 |
| 18798 | 82.62 | 84.4 | 15.86 | 60.37 | 16.98 |
| 17894 | 82.61 | 118.25 | 55.13 | 46.28 | 18.26 |
| 16730 | 82.57 | 52.77 | 17.55 | 24.62 | 25.08 |
| 21380 | 82.54 | 90.54 | 18.05 | 70.02 | 33.3 |
| 25518 | 82.54 | 54.64 | 19.36 | 26.76 | 17.29 |
| 20864 | 82.4 | 841.24 | 309.89 | 465.92 | 379.19 |
| 16592 | 82.37 | 137.3 | 76.17 | 58.32 | 22.21 |
| 20427 | 82.35 | 998.48 | 99.21 | 789.97 | 160.98 |
| 9621 | 82.18 | 450.87 | 102.44 | 279.24 | 78.97 |
| 14989 | 82.16 | 416.45 | 85.91 | 246.2 | 70.72 |
| 4957 | 82.02 | 252.69 | 122.51 | 93.68 | 47.12 |
| 14124 | 81.93 | 87.57 | 23.21 | 53.83 | 62.64 |
| 19110 | 81.92 | 209.34 | 79.55 | 100.76 | 104.09 |
| 23895 | 81.92 | 104.84 | 31.06 | 57.01 | 19.33 |
| 9842 | 81.82 | 1116.05 | 196.07 | 1609.83 | 413.06 |
| 17549 | 81.79 | 859.77 | 122.88 | 653.65 | 145.85 |
| 16683 | 81.68 | 135.69 | 38.68 | 75.48 | 34.7 |
| 18582 | 81.57 | 352.54 | 70.95 | 230.71 | 71.08 |
| 21980 | 81.46 | 825.23 | 217.56 | 501.52 | 157.27 |
| 9620 | 81.46 | 691.46 | 102.17 | 530.85 | 111.08 |
| 8427 | 81.44 | 71.94 | 23.53 | 31.97 | 25.04 |
| 16959 | 81.44 | 455.11 | 81.09 | 337.01 | 83.24 |
| 24626 | 81.44 | 1300.08 | 141.79 | 1766.27 | 394.06 |
| 9917 | 81.4 | 123.12 | 58.62 | 48.55 | 17.15 |
| 16416 | 81.33 | 153.16 | 43.15 | 108.14 | 61.2 |
| 13369 | 81.31 | 215.38 | 31.05 | 165.73 | 42.32 |
| 15269 | 81.31 | 260.07 | 39.98 | 183.46 | 53.04 |
| 23307 | 81.23 | 92.72 | 18.81 | 67.45 | 26.26 |

| TABLE 5HHH: CHOLESTASIS | | Attorney Docket 44921-5033-01-WO | | | |
|-------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18492 | 81.17 | 254.19 | 55.76 | 173.22 | 62 |
| 19949 | 81.14 | 213.35 | 57.75 | 145.42 | 41.98 |
| 3987 | 81.04 | 376.65 | 54.58 | 268.65 | 77.43 |

| TABLE III: HEPATITIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6532 | 85.19 | 223.44 | 59.41 | 138.34 | 40.54 |
| 20529 | 84.65 | 685.88 | 500.38 | 113.59 | 138.52 |
| 13353 | 82.6 | 171.98 | 81.96 | 288.76 | 56.48 |
| 20354 | 82.57 | 223.1 | 148.24 | 46.67 | 43.96 |
| 21740 | 81.59 | 1448.49 | 618.99 | 715.13 | 252.93 |
| 4969 | 81.5 | 904.09 | 601.25 | 243.18 | 209.99 |
| 22515 | 80.96 | 1196 | 1162.05 | 94.19 | 281.83 |
| 19769 | 80.58 | 1257.27 | 435.1 | 740.27 | 235.92 |
| 960 | 80.5 | 131.11 | 51.24 | 218.3 | 64.52 |
| 2161 | 80.33 | 1075.21 | 600.78 | 346.34 | 227.87 |
| 20698 | 80.3 | 1903.78 | 966.73 | 866.13 | 377.41 |
| 3773 | 80.19 | 205.25 | 126.8 | 63.46 | 51.98 |
| 17709 | 80.19 | 102.6 | 51.82 | 35.96 | 40.49 |
| 12587 | 80.14 | 48.63 | 39.86 | 111.33 | 47.26 |
| 3121 | 80.11 | 443.89 | 231.43 | 830.94 | 241.08 |
| 13167 | 79.98 | 76.27 | 20.48 | 115.28 | 31.01 |
| 21025 | 79.98 | 32.06 | 41.16 | 90.49 | 50.94 |
| 19411 | 79.92 | 93.71 | 56 | 32 | 16.5 |
| 20701 | 79.89 | 1739.07 | 815.35 | 854.66 | 336.97 |
| 22619 | 79.87 | 518.38 | 182.48 | 293.49 | 105.78 |
| 12577 | 79.78 | 547.97 | 398.82 | 145.74 | 108.54 |
| 21125 | 79.62 | 94.31 | 73.69 | 222.98 | 91.57 |
| 4244 | 79.6 | 93.61 | 33.17 | 155.43 | 48.67 |
| 21281 | 79.54 | 208.78 | 63.76 | 310.16 | 78.18 |
| 24200 | 79.37 | 955.52 | 460.95 | 423.15 | 223.45 |
| 26133 | 79.35 | 453.37 | 246.61 | 184.07 | 211.62 |
| 17664 | 79.26 | 619.55 | 303.89 | 269.89 | 142.81 |
| 8215 | 79.18 | 640.26 | 221.32 | 379.61 | 125.48 |
| 16809 | 79.13 | 94.45 | 67.95 | 27.69 | 19.96 |
| 11536 | 79.08 | 300.55 | 93.01 | 508.41 | 193.96 |
| 14491 | 79.07 | 250.4 | 82.02 | 155.54 | 63.55 |
| 17591 | 78.99 | 222.63 | 90.4 | 126.46 | 38.38 |
| 15170 | 78.91 | 110.06 | 56.54 | 199.04 | 54.54 |
| 18389 | 78.86 | 53.99 | 32.24 | 20.78 | 29.03 |
| 22017 | 78.75 | 280.47 | 150.04 | 120.99 | 87.23 |
| 21209 | 78.74 | 273.68 | 209.93 | 77.74 | 69.54 |
| 10532 | 78.64 | 431.38 | 138.95 | 274.62 | 87.95 |
| 8522 | 78.61 | 356.62 | 203.78 | 143.76 | 58.49 |
| 1221 | 78.58 | 393.01 | 336 | 21.14 | 86.43 |
| 9053 | 78.56 | 31.52 | 31.1 | 75.91 | 32.25 |
| 14208 | 78.56 | 82.48 | 35.65 | 142.67 | 50.27 |
| 22018 | 78.55 | 300.65 | 112.77 | 170.83 | 85.85 |
| 18159 | 78.37 | 136.04 | 53.91 | 74.52 | 74.28 |
| 7451 | 78.28 | 1775.99 | 568.64 | 1119.65 | 275.04 |
| 19410 | 78.28 | 143.96 | 40.96 | 86.38 | 28.24 |
| 1223 | 78.28 | 235.78 | 82.05 | 134.5 | 79.38 |
| 2430 | 78.25 | 66.49 | 41.52 | 22.48 | 26.71 |
| 15426 | 78.1 | 192.78 | 42.26 | 268.57 | 62.27 |
| 24225 | 78.04 | 291.99 | 74.98 | 386.24 | 86.65 |
| 2557 | 78.03 | 66.88 | 28.9 | 34.66 | 15.3 |
| 11205 | 77.99 | 664.5 | 183 | 929.43 | 242.75 |

| TABLE 5III: HEPATITIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLC/C Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6720 | 77.98 | 140.71 | 111.52 | 28.02 | 95.66 |
| 22569 | 77.96 | 88.79 | 42.82 | 150.58 | 55.53 |
| 11202 | 77.95 | 86.3 | 29.93 | 54.75 | 17.96 |
| 21073 | 77.6 | 373.06 | 105.13 | 248.97 | 69.63 |
| 14502 | 77.6 | 233.68 | 61.43 | 165.14 | 45.27 |
| 13332 | 77.58 | 121.59 | 76.28 | 232.63 | 81.86 |
| 23583 | 77.38 | 136.19 | 75.07 | 55.12 | 36.14 |
| 5622 | 77.38 | 2247.02 | 593.25 | 1573.74 | 347.68 |
| 8917 | 77.38 | 102.79 | 62.89 | 40.81 | 40.57 |
| 19729 | 77.28 | 213.35 | 151.18 | 565.29 | 328.65 |
| 15004 | 77.27 | 357.34 | 139.02 | 235.19 | 156.73 |
| 1841 | 77.21 | 153.51 | 107.56 | 44 | 45.85 |
| 21078 | 77.19 | 488.43 | 145.36 | 746.56 | 212.27 |
| 19 | 77.16 | 966.28 | 335.28 | 580.05 | 197.2 |
| 15961 | 77.16 | 114.38 | 66.55 | 46.93 | 42.39 |
| 3189 | 77.09 | 49.68 | 25.45 | 114.42 | 63.8 |
| 19412 | 77.08 | 641.91 | 207.2 | 379.3 | 104.76 |
| 21977 | 77.08 | 398.26 | 213.07 | 717.73 | 213.65 |
| 14776 | 77.08 | 85.43 | 50.5 | 149.81 | 48.13 |
| 25702 | 77.05 | 672.27 | 202.24 | 489.5 | 173.42 |
| 6479 | 77.05 | 1684.29 | 565.47 | 1022.32 | 369.89 |
| 21150 | 77.05 | 166.05 | 123.27 | 40.17 | 128.71 |
| 5384 | 76.91 | 107.89 | 92.63 | 24.83 | 58.5 |
| 11693 | 76.87 | 183.04 | 140.9 | 415.11 | 242.1 |
| 4868 | 76.81 | 178.55 | 64.21 | 277.21 | 75.52 |
| 344 | 76.72 | 2148.77 | 782.81 | 1250.16 | 527.97 |
| 23978 | 76.65 | 53.63 | 24.46 | 81.63 | 29.84 |
| 6825 | 76.62 | 292.14 | 112.44 | 431.5 | 114.14 |
| 16327 | 76.59 | 337.83 | 147.3 | 550.45 | 154.29 |
| 23182 | 76.59 | 80.19 | 38.97 | 164.37 | 75.73 |
| 23558 | 76.51 | 205.54 | 94.8 | 335.04 | 80.06 |
| 10069 | 76.51 | 239.3 | 65.49 | 162.7 | 76.74 |
| 23783 | 76.4 | 367.82 | 144.98 | 560.24 | 130.04 |
| 14937 | 76.35 | 74.26 | 31.25 | 121.15 | 36.46 |
| 13479 | 76.35 | 260.63 | 105.66 | 409.62 | 121.8 |
| 11423 | 76.31 | 59.15 | 30.69 | 33.16 | 14.65 |
| 15606 | 76.29 | 439.18 | 116.76 | 616.36 | 137.2 |
| 11191 | 76.27 | 386.22 | 395.68 | 1160.14 | 753.05 |
| 25691 | 76.24 | 1112.37 | 213.01 | 880.46 | 306.88 |
| 6262 | 76.16 | 306.86 | 97.6 | 464.02 | 145.84 |
| 5339 | 76.12 | 1087.88 | 582.58 | 484.12 | 233.06 |
| 11426 | 76.12 | 204.72 | 106.99 | 119.44 | 48.38 |
| 12277 | 76.1 | 114.66 | 79.06 | 30.78 | 36.57 |
| 12301 | 76.07 | 227.8 | 89.7 | 135.03 | 63.88 |
| 2670 | 76.07 | 94.76 | 84.47 | 219.55 | 117.6 |
| 6263 | 76.05 | 196.73 | 68.43 | 295.27 | 100.4 |
| 25480 | 76.02 | 346.3 | 188.86 | 614.37 | 187.63 |
| 17590 | 75.99 | 186.99 | 97.44 | 103.68 | 41.56 |
| 9712 | 75.99 | 48.43 | 38.82 | 87.6 | 37.71 |
| 2536 | 75.99 | 216.57 | 171.6 | 610.36 | 344.96 |
| 15700 | 75.96 | 315.13 | 95.29 | 452.97 | 122.6 |

| TABLE 5III: HEPATITIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16993 | 75.96 | 684.13 | 410.26 | 1070.23 | 283.86 |
| 18564 | 75.96 | 263.96 | 90.74 | 385.53 | 95.12 |
| 1809 | 75.93 | 1186.61 | 1256.28 | 100.37 | 691.24 |
| 17589 | 75.9 | 103.12 | 74.72 | 31.28 | 29.34 |
| 1844 | 75.66 | 240.62 | 130.36 | 110.96 | 56.37 |
| 18723 | 75.36 | 414.12 | 98.63 | 560.47 | 124.86 |
| 1409 | 75.36 | 258.24 | 108.2 | 416 | 110.72 |
| 21707 | 75.17 | 129.5 | 88.96 | 38.35 | 48.56 |
| 9905 | 75.17 | 448.73 | 140.85 | 653.71 | 147.4 |
| 16134 | 75.12 | 50.24 | 33.8 | 107.77 | 54.16 |
| 43 | 75.04 | 275.18 | 107.99 | 440.5 | 129.15 |
| 1127 | 75.01 | 54.77 | 35.42 | 132.68 | 106.49 |
| 14997 | 74.97 | 727.29 | 466.27 | 274.5 | 256.4 |
| 19952 | 74.87 | 73.16 | 36.85 | 129.15 | 51.29 |
| 20523 | 74.86 | 213.55 | 195.22 | 43.75 | 52.13 |
| 25370 | 74.85 | 73.05 | 47.97 | 159.16 | 91.66 |
| 1850 | 74.76 | 3940.44 | 2490.47 | 2421.78 | 994.13 |
| 12312 | 74.73 | 633.19 | 253 | 983.49 | 261.14 |
| 17567 | 74.73 | 1374.9 | 222.13 | 1176.07 | 213.88 |
| 15410 | 74.71 | 261.99 | 54.95 | 355.34 | 84.5 |
| 794 | 74.65 | 494.55 | 292.28 | 812.28 | 219.24 |
| 11959 | 74.6 | 62.74 | 24.79 | 98.12 | 31.21 |
| 22867 | 74.6 | 181.38 | 56.74 | 253.14 | 66.42 |
| 20248 | 74.57 | 36.29 | 11.89 | 23.9 | 15.77 |
| 11904 | 74.51 | 120.95 | 65.02 | 58.58 | 41.48 |
| 17883 | 74.49 | 32.83 | 10.85 | 22.09 | 15.53 |
| 851 | 74.32 | 325.42 | 112.25 | 440.25 | 103.99 |
| 23321 | 74.27 | 157.42 | 87.01 | 240.68 | 62.64 |
| 1578 | 74.22 | 24.28 | 13.7 | 44.84 | 17.94 |
| 19103 | 74.21 | 515.02 | 246.96 | 752 | 230.58 |
| 811 | 74.1 | 487.49 | 178.05 | 682.5 | 143.93 |
| 10109 | 74.07 | 1328.91 | 368.41 | 1038.15 | 211.11 |
| 4590 | 74 | 31.31 | 22.8 | 52.03 | 26.82 |
| 3292 | 73.94 | 4673.65 | 3021.02 | 2495.2 | 1241.78 |
| 15002 | 73.94 | 218.02 | 94.89 | 138.71 | 73.56 |
| 1561 | 73.91 | 1227.46 | 383.54 | 861.17 | 205.43 |
| 699 | 73.85 | 905.09 | 272.9 | 601.96 | 143.39 |
| 15378 | 73.78 | 75.68 | 28.98 | 120.31 | 37.39 |
| 4198 | 73.77 | 1367.98 | 283.56 | 1081.44 | 224.98 |
| 19443 | 73.73 | 930.76 | 318.25 | 1381.35 | 432.79 |
| 11203 | 73.69 | 72.98 | 35.89 | 41.44 | 16.27 |
| 13480 | 73.67 | 492.44 | 158.54 | 735.66 | 179.45 |
| 24219 | 73.66 | 598.86 | 272.69 | 373.62 | 181.18 |
| 18695 | 73.62 | 73.29 | 25.91 | 117.33 | 47.28 |
| 3131 | 73.62 | 281.05 | 109.32 | 441.09 | 153.75 |
| 17894 | 73.45 | 71.39 | 25.91 | 46.5 | 20.4 |
| 15652 | 73.45 | 1849.73 | 323.35 | 1491.36 | 363.06 |
| 25317 | 73.39 | 1991.17 | 610.79 | 1364.85 | 451.42 |
| 23044 | 73.34 | 224.47 | 70.74 | 150.77 | 54.5 |
| 12606 | 73.34 | 505.74 | 307.66 | 748.02 | 233.25 |
| 1843 | 73.31 | 49.54 | 24.82 | 28.93 | 15.86 |

| TABLE 511: HEPATITIS | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16726 | 73.29 | 545.56 | 188.44 | 799.89 | 192.44 |
| 18453 | 73.26 | 326.42 | 276.99 | 652.91 | 259.76 |
| 134 | 73.26 | 65.63 | 53.79 | 119.84 | 51.3 |
| 412 | 73.25 | 2812.13 | 1414.38 | 1604.48 | 771.99 |
| 21709 | 73.23 | 234.87 | 45.04 | 192.24 | 46.77 |
| 20 | 73.12 | 543.32 | 225.55 | 340.68 | 128.61 |
| 14139 | 73.12 | 34.81 | 15.11 | 53.35 | 18.1 |
| 11635 | 73.07 | 201.89 | 80.06 | 294.54 | 87.37 |
| 1694 | 73.06 | 1340.6 | 291.11 | 1067 | 228.73 |
| 15191 | 73.04 | 3258.78 | 2347.81 | 1154.02 | 1229.65 |
| 14933 | 72.93 | 35.74 | 28.33 | 51.32 | 21.05 |
| 1753 | 72.91 | 268.73 | 115 | 446.66 | 170.87 |
| 23445 | 72.88 | 109.37 | 89.84 | 239.79 | 130.02 |
| 1583 | 72.87 | 49.4 | 24.94 | 27.97 | 13.12 |
| 9826 | 72.85 | 28.76 | 25.99 | 51.99 | 20.68 |

| TABLE 5UJJ: HEPATITIS | | | | | |
|-----------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5038-01-WO | | |
| | | | Document No. 1935323.1 | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20529 | 84.65 | 685.88 | 500.38 | 113.59 | 138.52 |
| 13353 | 82.6 | 171.98 | 81.96 | 288.76 | 56.48 |
| 4969 | 81.5 | 904.09 | 601.25 | 243.18 | 209.99 |
| 22515 | 80.96 | 1196 | 1162.05 | 94.19 | 281.83 |
| 19769 | 80.58 | 1257.27 | 435.1 | 740.27 | 235.92 |
| 960 | 80.5 | 131.11 | 51.24 | 218.3 | 64.52 |
| 2161 | 80.33 | 1075.21 | 600.78 | 346.34 | 227.87 |
| 20698 | 80.3 | 1903.78 | 966.73 | 866.13 | 377.41 |
| 17709 | 80.19 | 102.6 | 51.82 | 35.96 | 40.49 |
| 3773 | 80.19 | 205.25 | 126.8 | 63.46 | 51.98 |
| 12587 | 80.14 | 48.63 | 39.86 | 111.33 | 47.26 |
| 21025 | 79.98 | 32.06 | 41.16 | 90.49 | 50.94 |
| 13167 | 79.98 | 76.27 | 20.48 | 115.28 | 31.01 |
| 19411 | 79.92 | 93.71 | 56 | 32 | 16.5 |
| 12577 | 79.78 | 547.97 | 398.82 | 145.74 | 108.54 |
| 21125 | 79.62 | 94.31 | 73.69 | 222.98 | 91.57 |
| 4244 | 79.6 | 93.61 | 33.17 | 155.43 | 48.67 |
| 24200 | 79.37 | 955.52 | 460.95 | 423.15 | 223.45 |
| 26133 | 79.35 | 453.37 | 246.61 | 184.07 | 211.62 |
| 8215 | 79.18 | 640.26 | 221.32 | 379.61 | 125.48 |
| 11536 | 79.08 | 300.55 | 93.01 | 508.41 | 193.96 |
| 14491 | 79.07 | 250.4 | 82.02 | 155.54 | 63.55 |
| 17591 | 78.99 | 222.63 | 90.4 | 126.46 | 38.38 |
| 15170 | 78.91 | 110.06 | 56.54 | 199.04 | 54.54 |
| 22017 | 78.75 | 280.47 | 150.04 | 120.99 | 87.23 |
| 21209 | 78.74 | 273.68 | 209.93 | 77.74 | 69.54 |
| 10532 | 78.64 | 431.38 | 138.95 | 274.62 | 87.95 |
| 8522 | 78.61 | 356.62 | 203.78 | 143.76 | 58.49 |
| 9053 | 78.56 | 31.52 | 31.1 | 75.91 | 32.25 |
| 22018 | 78.55 | 300.65 | 112.77 | 170.83 | 85.85 |
| 18159 | 78.37 | 136.04 | 53.91 | 74.52 | 74.28 |
| 1223 | 78.28 | 235.78 | 82.05 | 134.5 | 79.38 |
| 7451 | 78.28 | 1775.99 | 568.64 | 1119.65 | 275.04 |
| 2430 | 78.25 | 66.49 | 41.52 | 22.48 | 26.71 |
| 15426 | 78.1 | 192.78 | 42.26 | 268.57 | 62.27 |
| 24225 | 78.04 | 291.99 | 74.98 | 386.24 | 86.65 |
| 2557 | 78.03 | 66.88 | 28.9 | 34.66 | 15.3 |
| 11205 | 77.99 | 664.5 | 183 | 929.43 | 242.75 |
| 6720 | 77.98 | 140.71 | 111.52 | 28.02 | 95.66 |
| 22569 | 77.96 | 88.79 | 42.82 | 150.58 | 55.53 |
| 11202 | 77.95 | 86.3 | 29.93 | 54.75 | 17.96 |
| 14502 | 77.6 | 233.68 | 61.43 | 165.14 | 45.27 |
| 21073 | 77.6 | 373.06 | 105.13 | 248.97 | 69.63 |
| 8917 | 77.38 | 102.79 | 62.89 | 40.81 | 40.57 |
| 5622 | 77.38 | 2247.02 | 593.25 | 1573.74 | 347.68 |
| 23583 | 77.38 | 136.19 | 75.07 | 55.12 | 36.14 |
| 19729 | 77.28 | 213.35 | 151.18 | 565.29 | 328.65 |
| 15004 | 77.27 | 357.34 | 139.02 | 235.19 | 156.73 |
| 1841 | 77.21 | 153.51 | 107.56 | 44 | 45.85 |
| 21078 | 77.19 | 488.43 | 145.36 | 746.56 | 212.27 |
| 15961 | 77.16 | 114.38 | 66.55 | 46.93 | 42.39 |

| TABLE 5JJJ: HEPATITIS | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 19 | 77.16 | 966.28 | 335.28 | 580.05 | 197.2 |
| 3189 | 77.09 | 49.68 | 25.45 | 114.42 | 63.8 |
| 14776 | 77.08 | 85.43 | 50.5 | 149.81 | 48.13 |
| 21977 | 77.08 | 398.26 | 213.07 | 717.73 | 213.65 |
| 21150 | 77.05 | 166.05 | 123.27 | 40.17 | 128.71 |
| 6479 | 77.05 | 1684.29 | 565.47 | 1022.32 | 369.89 |
| 25702 | 77.05 | 672.27 | 202.24 | 489.5 | 173.42 |
| 11693 | 76.87 | 183.04 | 140.9 | 415.11 | 242.1 |
| 4868 | 76.81 | 178.55 | 64.21 | 277.21 | 75.52 |
| 344 | 76.72 | 2148.77 | 782.81 | 1250.16 | 527.97 |
| 23978 | 76.65 | 53.63 | 24.46 | 81.63 | 29.84 |
| 23182 | 76.59 | 80.19 | 38.97 | 164.37 | 75.73 |
| 16327 | 76.59 | 337.83 | 147.3 | 550.45 | 154.29 |
| 10069 | 76.51 | 239.3 | 65.49 | 162.7 | 76.74 |
| 23558 | 76.51 | 205.54 | 94.8 | 335.04 | 80.06 |
| 23783 | 76.4 | 367.82 | 144.98 | 560.24 | 130.04 |
| 13479 | 76.35 | 260.63 | 105.66 | 409.62 | 121.8 |
| 14937 | 76.35 | 74.26 | 31.25 | 121.15 | 36.46 |
| 11191 | 76.27 | 386.22 | 395.68 | 1160.14 | 753.05 |
| 25691 | 76.24 | 1112.37 | 213.01 | 880.46 | 306.88 |
| 6262 | 76.16 | 306.86 | 97.6 | 464.02 | 145.84 |
| 11426 | 76.12 | 204.72 | 106.99 | 119.44 | 48.38 |
| 5339 | 76.12 | 1087.88 | 582.58 | 484.12 | 233.06 |
| 12277 | 76.1 | 114.66 | 79.06 | 30.78 | 36.57 |
| 2670 | 76.07 | 94.76 | 84.47 | 219.55 | 117.6 |
| 12301 | 76.07 | 227.8 | 89.7 | 135.03 | 63.88 |
| 6263 | 76.05 | 196.73 | 68.43 | 295.27 | 100.4 |
| 25480 | 76.02 | 346.3 | 188.86 | 614.37 | 187.63 |
| 2536 | 75.99 | 216.57 | 171.6 | 610.36 | 344.96 |
| 17590 | 75.99 | 186.99 | 97.44 | 103.68 | 41.56 |
| 3452 | 75.99 | 98.23 | 77.85 | 29.92 | 28.12 |
| 15700 | 75.96 | 315.13 | 95.29 | 452.97 | 122.6 |
| 18564 | 75.96 | 263.96 | 90.74 | 385.53 | 95.12 |
| 13513 | 75.96 | 176.8 | 41.22 | 123.35 | 44.29 |
| 16993 | 75.96 | 684.13 | 410.26 | 1070.23 | 283.86 |
| 13697 | 75.94 | 38.01 | 20.64 | 58.31 | 20.35 |
| 1809 | 75.93 | 1186.61 | 1256.28 | 100.37 | 691.24 |
| 6033 | 75.91 | 713.46 | 213.45 | 999.25 | 270.65 |
| 10918 | 75.9 | 241.58 | 88.86 | 159.25 | 57.98 |
| 17589 | 75.9 | 103.12 | 74.72 | 31.28 | 29.34 |
| 19220 | 75.88 | 136.17 | 39.34 | 187.84 | 57.74 |
| 19575 | 75.88 | 226.17 | 66.98 | 324.7 | 94.79 |
| 12736 | 75.85 | 128.87 | 69.66 | 70.72 | 34.35 |
| 20524 | 75.79 | 126.78 | 129.45 | 20.23 | 38.43 |
| 10710 | 75.72 | 118.91 | 34.5 | 178.74 | 58.97 |
| 4330 | 75.69 | 1032.49 | 499.42 | 1534.42 | 449.57 |
| 23547 | 75.69 | 245.18 | 72.35 | 165.13 | 44.53 |
| 7122 | 75.66 | 604.13 | 225.95 | 399.08 | 93.85 |
| 1844 | 75.66 | 240.62 | 130.36 | 110.96 | 56.37 |
| 18723 | 75.36 | 414.12 | 98.63 | 560.47 | 124.86 |
| 1409 | 75.36 | 258.24 | 108.2 | 416 | 110.72 |

| TABLE 5JJJ: HEPATITIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21707 | 75.17 | 129.5 | 88.96 | 38.35 | 48.56 |
| 9905 | 75.17 | 448.73 | 140.85 | 653.71 | 147.4 |
| 16134 | 75.12 | 50.24 | 33.8 | 107.77 | 54.16 |
| 43 | 75.04 | 275.18 | 107.99 | 440.5 | 129.15 |
| 1127 | 75.01 | 54.77 | 35.42 | 132.68 | 106.49 |
| 14997 | 74.97 | 727.29 | 466.27 | 274.5 | 256.4 |
| 19952 | 74.87 | 73.16 | 36.85 | 129.15 | 51.29 |
| 20523 | 74.86 | 213.55 | 195.22 | 43.75 | 52.13 |
| 1850 | 74.76 | 3940.44 | 2490.47 | 2421.78 | 994.13 |
| 12312 | 74.73 | 633.19 | 253 | 983.49 | 261.14 |
| 17567 | 74.73 | 1374.9 | 222.13 | 1176.07 | 213.88 |
| 15410 | 74.71 | 261.99 | 54.95 | 355.34 | 84.5 |
| 794 | 74.65 | 494.55 | 292.28 | 812.28 | 219.24 |
| 11959 | 74.6 | 62.74 | 24.79 | 98.12 | 31.21 |
| 22867 | 74.6 | 181.38 | 56.74 | 253.14 | 66.42 |
| 20248 | 74.57 | 36.29 | 11.89 | 23.9 | 15.77 |
| 17883 | 74.49 | 32.83 | 10.85 | 22.09 | 15.53 |
| 851 | 74.32 | 325.42 | 112.25 | 440.25 | 103.99 |
| 23321 | 74.27 | 157.42 | 87.01 | 240.68 | 62.64 |
| 1578 | 74.22 | 24.28 | 13.7 | 44.84 | 17.94 |
| 19103 | 74.21 | 515.02 | 246.96 | 752 | 230.58 |
| 811 | 74.1 | 487.49 | 178.05 | 682.5 | 143.93 |
| 10109 | 74.07 | 1328.91 | 368.41 | 1038.15 | 211.11 |
| 4590 | 74 | 31.31 | 22.8 | 52.03 | 26.82 |
| 3292 | 73.94 | 4673.65 | 3021.02 | 2495.2 | 1241.78 |
| 15002 | 73.94 | 218.02 | 94.89 | 138.71 | 73.56 |
| 1561 | 73.91 | 1227.46 | 383.54 | 861.17 | 205.43 |
| 699 | 73.85 | 905.09 | 272.9 | 601.96 | 143.39 |
| 15378 | 73.78 | 75.68 | 28.98 | 120.31 | 37.39 |
| 4198 | 73.77 | 1367.98 | 283.56 | 1081.44 | 224.98 |
| 19443 | 73.73 | 930.76 | 318.25 | 1381.35 | 432.79 |
| 11203 | 73.69 | 72.98 | 35.89 | 41.44 | 16.27 |
| 13480 | 73.67 | 492.44 | 158.54 | 735.66 | 179.45 |
| 24219 | 73.66 | 598.86 | 272.69 | 373.62 | 181.18 |
| 18695 | 73.62 | 73.29 | 25.91 | 117.33 | 47.28 |
| 3131 | 73.62 | 281.05 | 109.32 | 441.09 | 153.75 |
| 17894 | 73.45 | 71.39 | 25.91 | 46.5 | 20.4 |
| 15652 | 73.45 | 1849.73 | 323.35 | 1491.36 | 363.06 |
| 25317 | 73.39 | 1991.17 | 610.79 | 1364.85 | 451.42 |
| 23044 | 73.34 | 224.47 | 70.74 | 150.77 | 54.5 |
| 12606 | 73.34 | 505.74 | 307.66 | 748.02 | 233.25 |
| 1843 | 73.31 | 49.54 | 24.82 | 28.93 | 15.86 |
| 16726 | 73.29 | 545.56 | 188.44 | 799.89 | 192.44 |
| 18453 | 73.26 | 326.42 | 276.99 | 652.91 | 259.76 |
| 134 | 73.26 | 65.63 | 53.79 | 119.84 | 51.3 |
| 412 | 73.25 | 2812.13 | 1414.38 | 1604.48 | 771.99 |
| 21709 | 73.23 | 234.87 | 45.04 | 192.24 | 46.77 |
| 20 | 73.12 | 543.32 | 225.55 | 340.68 | 128.61 |
| 14139 | 73.12 | 34.81 | 15.11 | 53.35 | 18.1 |
| 11635 | 73.07 | 201.89 | 80.06 | 294.54 | 87.37 |
| 1694 | 73.06 | 1340.6 | 291.11 | 1067 | 228.73 |

| TABLE 5JJJ: HEPATITIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15191 | 73.04 | 3258.78 | 2347.81 | 1154.02 | 1229.65 |
| 14933 | 72.93 | 35.74 | 28.33 | 51.32 | 21.05 |
| 1753 | 72.91 | 268.73 | 115 | 446.66 | 170.87 |
| 23445 | 72.88 | 109.37 | 89.84 | 239.79 | 130.02 |
| 1583 | 72.87 | 49.4 | 24.94 | 27.97 | 13.12 |
| 9826 | 72.85 | 28.76 | 25.99 | 51.99 | 20.68 |
| 16472 | 72.8 | 22.42 | 11.5 | 47.24 | 28.65 |
| 25052 | 72.79 | 283.57 | 334.72 | 25.65 | 120.49 |
| 1572 | 72.79 | 111.28 | 42.96 | 72.06 | 31.45 |
| 20090 | 72.76 | 180.42 | 102.74 | 107.22 | 36.61 |
| 19244 | 72.74 | 1396.24 | 317.12 | 1097.32 | 242.02 |
| 15612 | 72.72 | 188.45 | 134.19 | 453.11 | 329.12 |
| 10248 | 72.66 | 44.57 | 22.72 | 25.35 | 25.09 |
| 1558 | 72.66 | 49.45 | 32.85 | 93.19 | 39.59 |
| 107 | 72.64 | 77.74 | 35.72 | 131.66 | 73.29 |
| 15387 | 72.6 | 665.35 | 155.05 | 516.09 | 117.06 |
| 15313 | 72.52 | 58.54 | 44.05 | 26.75 | 36.48 |

| TABLE 5KKK: HUMAN-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLTC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22840 | 84.24 | 1437.82 | 354.49 | 869.42 | 254.39 |
| 21977 | 83.48 | 394.62 | 163.59 | 711.62 | 218.59 |
| 22628 | 83.17 | 24.41 | 23.17 | 71.81 | 35.19 |
| 11728 | 82.46 | 396.78 | 157.22 | 193.35 | 227.55 |
| 10176 | 82.2 | 286.02 | 83.53 | 442.98 | 97.63 |
| 25370 | 81.97 | 58.97 | 31.75 | 157.69 | 91.68 |
| 12083 | 81.88 | 123.62 | 40.01 | 245.58 | 116.05 |
| 12422 | 81.87 | 44.25 | 11.06 | 69.18 | 21.54 |
| 11726 | 81.81 | 256.56 | 118.57 | 137 | 181.69 |
| 12082 | 81.78 | 138.78 | 63.81 | 334.33 | 158.96 |
| 13332 | 81.75 | 124.87 | 45.9 | 230.44 | 83.51 |
| 23558 | 81.5 | 227.72 | 74.88 | 332.25 | 83 |
| 17400 | 81.39 | 230.72 | 82.17 | 107.7 | 67.04 |
| 19412 | 81.18 | 625.46 | 163.44 | 384.58 | 114.96 |
| 1114 | 81.09 | 781.13 | 150.16 | 564.27 | 206.35 |
| 3431 | 81.05 | 1422.28 | 244.27 | 1039.62 | 311.19 |
| 7451 | 80.88 | 1704.79 | 485.07 | 1133.26 | 301.45 |
| 21933 | 80.67 | 7289.09 | 1187.54 | 4974.89 | 1772.86 |
| 2905 | 80.54 | 330.91 | 78.71 | 499.51 | 190.91 |
| 22018 | 80.53 | 275.1 | 87.29 | 173.67 | 89.09 |
| 24200 | 80.46 | 1111.18 | 554.09 | 431.33 | 233.89 |
| 921 | 80.31 | 20.08 | 13.18 | 43.23 | 18.5 |
| 13353 | 80.16 | 176.88 | 80.17 | 286.44 | 59.45 |
| 19145 | 79.95 | 373.59 | 66.2 | 293.21 | 67.08 |
| 10184 | 79.9 | 66.91 | 31.6 | 122.21 | 58.89 |
| 20744 | 79.88 | 934.9 | 509.63 | 340.73 | 292.71 |
| 14997 | 79.7 | 808.58 | 498.6 | 282.14 | 266.62 |
| 6720 | 79.7 | 137.35 | 104.08 | 30.23 | 97.39 |
| 19410 | 79.65 | 147.55 | 38.33 | 87.45 | 29.57 |
| 18695 | 79.62 | 62.1 | 17.65 | 116.63 | 47.24 |
| 17496 | 79.55 | 70.11 | 50.43 | 258.48 | 181.02 |
| 1957 | 79.52 | 2181.43 | 386.64 | 1405.97 | 584.79 |
| 6919 | 79.51 | 968.3 | 521.33 | 336.6 | 282.78 |
| 10169 | 79.39 | 174.71 | 62.99 | 97.31 | 43.79 |
| 20778 | 79.39 | 48.01 | 20.52 | 74.39 | 18.42 |
| 21209 | 79.38 | 323.79 | 227.65 | 80.84 | 76.99 |
| 18795 | 79.31 | 1021.62 | 404.03 | 535.47 | 193.73 |
| 21968 | 79.29 | 91.57 | 32.36 | 155.66 | 63.73 |
| 23031 | 79.28 | 26.23 | 24.22 | 91.16 | 71.8 |
| 18564 | 79.25 | 261.49 | 76.52 | 383.22 | 96.61 |
| 9432 | 79.23 | 85.63 | 33.77 | 50.87 | 37.6 |
| 402 | 79.13 | 2057.39 | 710.38 | 1195.52 | 401.96 |
| 6044 | 79.09 | 980.67 | 209.4 | 751.52 | 209.84 |
| 11191 | 79.02 | 390.46 | 293.11 | 1145.16 | 755.97 |
| 12140 | 79.02 | 138.58 | 27.68 | 90.34 | 64.51 |
| 19092 | 78.97 | 3663.99 | 526.05 | 2786.47 | 684.63 |
| 14312 | 78.89 | 378.06 | 65.93 | 495.88 | 137.48 |
| 17709 | 78.88 | 107.24 | 59.27 | 37.18 | 41.53 |
| 12108 | 78.86 | 246.95 | 59.37 | 355.54 | 99.6 |
| 3073 | 78.82 | 32.6 | 23.82 | 102.18 | 90.8 |
| 20 | 78.75 | 594.54 | 222.67 | 343.9 | 133 |

| TABLE 5K1K: HUMAN-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20042 | 78.73 | 1003.07 | 216.55 | 645.21 | 257.9 |
| 21707 | 78.73 | 162.01 | 111.15 | 39.68 | 49.73 |
| 22452 | 78.7 | 960.47 | 557.34 | 392.16 | 328.5 |
| 7583 | 78.68 | 228.76 | 126.78 | 49.16 | 123.23 |
| 2514 | 78.64 | 993.58 | 369.54 | 543.64 | 280.42 |
| 2161 | 78.49 | 1045.81 | 594.64 | 360.79 | 261.88 |
| 12306 | 78.46 | 2478.81 | 1208.77 | 1128.61 | 492.12 |
| 11727 | 78.4 | 292.65 | 143.54 | 183.04 | 242.97 |
| 22906 | 78.33 | 1389.24 | 754.41 | 551.23 | 409.34 |
| 2242 | 78.29 | 3622.99 | 1276.38 | 2414.77 | 867.53 |
| 19575 | 78.25 | 218.29 | 50.87 | 322.91 | 95.32 |
| 13389 | 78.13 | 22.03 | 24.27 | 52.75 | 25.56 |
| 21125 | 78.06 | 102.32 | 88.94 | 220.39 | 92.92 |
| 4017 | 77.98 | 52.57 | 15.23 | 76.26 | 29.77 |
| 15191 | 77.95 | 3619.23 | 2031.67 | 1189.78 | 1291.95 |
| 23029 | 77.95 | 309.4 | 199.62 | 774.42 | 457.96 |
| 5523 | 77.87 | 832.64 | 284.21 | 457.1 | 305.15 |
| 1221 | 77.83 | 321.74 | 281.91 | 29.27 | 114.79 |
| 18397 | 77.8 | 59.44 | 18.44 | 39.4 | 28.71 |
| 14425 | 77.8 | 1489.83 | 906.78 | 442.39 | 416.21 |
| 20354 | 77.75 | 217.48 | 158.68 | 50.15 | 53.78 |
| 3773 | 77.72 | 169.93 | 103.2 | 66.67 | 59.37 |
| 8600 | 77.69 | 25.88 | 38.63 | 81.46 | 56.67 |
| 23569 | 77.63 | 185.99 | 54.76 | 261.79 | 59.35 |
| 6986 | 77.63 | 222.4 | 51.16 | 150.37 | 58.74 |
| 18660 | 77.63 | 78.49 | 24.98 | 130.16 | 52.58 |
| 4002 | 77.63 | 88.99 | 20.17 | 127.35 | 41.79 |
| 13479 | 77.62 | 273.15 | 118.63 | 406.58 | 123.27 |
| 22340 | 77.6 | 337.31 | 92.44 | 529.36 | 183.71 |
| 21940 | 77.56 | 272.48 | 81.53 | 394.79 | 112.01 |
| 1639 | 77.55 | 135.8 | 40.16 | 197.55 | 45.66 |
| 17768 | 77.54 | 606.75 | 115.77 | 772.57 | 144.1 |
| 1805 | 77.49 | 2206.4 | 549.17 | 1444.53 | 630.29 |
| 5339 | 77.48 | 1249.53 | 696.92 | 493.6 | 248.82 |
| 11504 | 77.45 | 449.62 | 157.25 | 708.33 | 224.61 |
| 17132 | 77.43 | 4521.4 | 997.41 | 3453.96 | 1046.97 |
| 15189 | 77.41 | 4278.64 | 2464.35 | 1627.27 | 1623.23 |
| 19 | 77.37 | 1037.61 | 366.95 | 586.54 | 205.06 |
| 16680 | 77.32 | 230.94 | 115.18 | 400.82 | 135.74 |
| 23608 | 77.29 | 827.62 | 365.14 | 393.95 | 179.15 |
| 3722 | 77.27 | 598.89 | 155.66 | 394.17 | 143.77 |
| 21679 | 77.27 | 34.85 | 16.31 | 61.91 | 24.06 |
| 10710 | 77.24 | 115.76 | 28.9 | 177.63 | 59.17 |
| 20542 | 77.24 | 149.29 | 26.62 | 116.42 | 42 |
| 4703 | 77.2 | 743.74 | 280.28 | 419.12 | 237.06 |
| 11536 | 77.2 | 310.62 | 85.6 | 504.27 | 194.81 |
| 514 | 77.13 | 364.25 | 86.27 | 254.71 | 91.51 |
| 15700 | 77.11 | 317.02 | 76.81 | 450.28 | 123.79 |
| 12210 | 77.1 | 558.33 | 178.98 | 316.33 | 178.22 |
| 2010 | 76.89 | 3919.07 | 1538.49 | 2669.01 | 1250.02 |
| 12423 | 76.82 | 111.83 | 26.15 | 169.3 | 72.58 |

| TABLE 5K1K: HUMAN-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 6477 | 76.61 | 3083.49 | 926.01 | 2253.54 | 859.82 |
| 15190 | 76.53 | 4664.62 | 2400.07 | 1803.1 | 1674.56 |
| 17693 | 76.5 | 113.84 | 37.59 | 211.77 | 128.43 |
| 1246 | 76.44 | 44.79 | 17.25 | 78.58 | 30.33 |
| 3131 | 76.2 | 267 | 103.71 | 438.19 | 154.44 |
| 20743 | 76.05 | 93.27 | 24.47 | 140.84 | 38.05 |
| 23368 | 76 | 36.91 | 21.97 | 76.65 | 35.22 |
| 19952 | 75.99 | 80.45 | 34.08 | 127.97 | 51.75 |
| 1973 | 75.98 | 283.34 | 69.05 | 392.8 | 106.86 |
| 1169 | 75.93 | 38.34 | 10.11 | 63.46 | 34.46 |
| 17324 | 75.9 | 247.92 | 83.06 | 380.02 | 117.37 |
| 21941 | 75.88 | 340.65 | 75.78 | 463.69 | 109.92 |
| 16449 | 75.86 | 184.98 | 103.27 | 332.27 | 190.55 |
| 25480 | 75.86 | 384.35 | 140.12 | 608.7 | 192.43 |
| 21090 | 75.85 | 82.45 | 43.47 | 147.1 | 55.77 |
| 26029 | 75.79 | 310.57 | 196.68 | 196.7 | 332.64 |
| 373 | 75.77 | 284.68 | 114.89 | 476.29 | 164.84 |
| 4244 | 75.72 | 102.54 | 49 | 154.12 | 49.13 |
| 24508 | 75.68 | 171.11 | 70.36 | 112.35 | 46.67 |
| 20735 | 75.64 | 285.82 | 128.7 | 188.63 | 132.06 |
| 14933 | 75.63 | 26.63 | 26.27 | 51.15 | 21.24 |
| 1409 | 75.57 | 267.04 | 98.98 | 412.84 | 113.05 |
| 13090 | 75.56 | 26.25 | 30.71 | 81.24 | 66.75 |
| 19411 | 75.53 | 70.68 | 27.45 | 33.5 | 21.46 |
| 17300 | 75.52 | 42.83 | 19.22 | 67.76 | 26.81 |
| 1731 | 75.52 | 54.61 | 24.66 | 84.25 | 30.69 |
| 1753 | 75.44 | 271.25 | 100.03 | 443.2 | 171.87 |
| 19085 | 75.39 | 146.43 | 58.83 | 86.02 | 45.82 |
| 851 | 75.35 | 339.64 | 108.01 | 437.84 | 105.59 |
| 10517 | 75.32 | 33.63 | 9.62 | 45.64 | 11.52 |
| 16871 | 75.16 | 39 | 8.86 | 57.34 | 23.73 |
| 6478 | 75.16 | 4878.91 | 2045.76 | 3213.89 | 1789.74 |
| 9053 | 75.07 | 28.69 | 28.29 | 75.09 | 32.78 |
| 20698 | 75.03 | 1766.99 | 880.06 | 887.97 | 428.52 |
| 15299 | 75.02 | 149.67 | 123.48 | 77.39 | 128.38 |
| 6013 | 75 | 2510.29 | 636.71 | 1896.39 | 624.56 |
| 7067 | 74.9 | 223.91 | 82.58 | 337.9 | 92.02 |
| 16809 | 74.84 | 79.79 | 55.92 | 29.18 | 24.62 |
| 13092 | 74.72 | 87.8 | 86.79 | 222.03 | 123.26 |
| 4234 | 74.63 | 759.33 | 181.76 | 614.35 | 299.69 |
| 4003 | 74.58 | 114.34 | 28.03 | 179.28 | 80.55 |
| 23837 | 74.55 | 33.28 | 9.97 | 55.19 | 26.61 |
| 1546 | 74.55 | 242.59 | 59.39 | 301.49 | 75.11 |
| 20701 | 74.52 | 1569.77 | 736.94 | 873.99 | 379.6 |
| 22515 | 74.45 | 1090.61 | 1299.95 | 116.84 | 354.19 |
| 11202 | 74.43 | 72.84 | 20.68 | 55.54 | 19.16 |
| 18727 | 74.41 | 1041.79 | 296.09 | 760.15 | 382.87 |
| 25064 | 74.4 | 1021.41 | 432.29 | 1190.34 | 355.96 |
| 1843 | 74.38 | 56.29 | 29.21 | 29.24 | 16.11 |
| 17468 | 74.35 | 448.74 | 80.13 | 563.38 | 116.21 |
| 1141 | 74.24 | 237.35 | 53.35 | 176.45 | 55.87 |

| TABLE SKKK: HUMAN-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18402 | 74.19 | 48.27 | 14.82 | 69.85 | 21.07 |
| 22867 | 74.15 | 182.26 | 51.51 | 251.75 | 67.04 |
| 1792 | 74.02 | 194.59 | 59.08 | 303.36 | 111.8 |
| 8640 | 73.98 | 217.48 | 94.58 | 125.61 | 91.84 |
| 19710 | 73.97 | 335.06 | 92.06 | 238.53 | 107.23 |
| 20699 | 73.96 | 2777.64 | 805.72 | 2126 | 824.57 |
| 14004 | 73.9 | 37.61 | 15.31 | 76.03 | 62.83 |
| 20601 | 73.81 | 567.23 | 233.73 | 974.04 | 458.89 |
| 3292 | 73.72 | 4467.58 | 2433.76 | 2539.97 | 1352.98 |
| 1876 | 73.7 | 559.04 | 194.56 | 776.44 | 201.8 |
| 1170 | 73.68 | 70.66 | 21.59 | 110.77 | 55.21 |
| 9826 | 73.64 | 25.81 | 24.52 | 51.58 | 21.01 |
| 12010 | 73.59 | 69.42 | 18.66 | 106.46 | 37.49 |

| TABLE 5LLL: Inducer and Liver Enlargement Attorney Docket 44921-5038-01-WO | | | | | |
|--|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various Document No. 1935328.1 | | | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20915 | 81.71 | 1357.88 | 797.41 | 507.57 | 306.08 |
| 6673 | 80.12 | 569.69 | 134.49 | 806.36 | 247.49 |
| 12071 | 79.67 | 401.9 | 136.67 | 643.43 | 180.12 |
| 15146 | 79.64 | 113.08 | 46.74 | 226.46 | 110.55 |
| 17541 | 79.32 | 2743.59 | 1047.5 | 1592.85 | 586.82 |
| 15125 | 79.2 | 2842.86 | 1394.32 | 1608.65 | 535.95 |
| 4198 | 79.03 | 835.29 | 124.05 | 1099.33 | 230.51 |
| 14131 | 78.92 | 110.62 | 82.52 | 31.86 | 27.47 |
| 6479 | 78.51 | 610.47 | 262.11 | 1058.34 | 390.72 |
| 7022 | 78.41 | 102.69 | 55.02 | 35.25 | 36.09 |
| 9032 | 78.19 | 804.57 | 191.86 | 598.36 | 153.21 |
| 8438 | 77.99 | 45.32 | 29.77 | 95.82 | 44.95 |
| 4291 | 77.98 | 159.97 | 73.17 | 314.14 | 138.5 |
| 20724 | 77.92 | 47.7 | 29.7 | 86.32 | 32.64 |
| 14103 | 77.91 | 146.35 | 59.13 | 269.95 | 112.07 |
| 2544 | 77.65 | 147.84 | 46.91 | 224.99 | 67.65 |
| 17324 | 77.65 | 263.78 | 66.86 | 382.15 | 117.35 |
| 17401 | 77.32 | 204.21 | 88.35 | 440.87 | 216.67 |
| 16067 | 77.08 | 357.79 | 157.08 | 164.36 | 110.94 |
| 6672 | 77.03 | 50.65 | 17.13 | 78.82 | 25.22 |
| 12386 | 77.02 | 135.03 | 51.86 | 227.77 | 84.85 |
| 7223 | 76.99 | 367.26 | 91.11 | 246.51 | 70.47 |
| 15755 | 76.95 | 500.12 | 167.48 | 748.54 | 175.96 |
| 17601 | 76.83 | 57.78 | 25.38 | 103.87 | 39.5 |
| 17766 | 76.82 | 612.13 | 93.59 | 484.14 | 91.21 |
| 8820 | 76.67 | 71.07 | 30.02 | 41.75 | 33.08 |
| 11827 | 76.6 | 23.35 | 6.73 | 39.11 | 17.22 |
| 8212 | 76.56 | 2844.24 | 967.49 | 1951.8 | 704.21 |
| 3581 | 76.55 | 428.5 | 101.19 | 306.63 | 72.34 |
| 23445 | 76.55 | 100.16 | 72.37 | 240.17 | 130.04 |
| 17470 | 76.27 | 288.91 | 122.93 | 150.05 | 76.41 |
| 5497 | 76.2 | 434.15 | 183.08 | 649.4 | 184.65 |
| 18989 | 75.89 | 2841.79 | 1727.07 | 1431.62 | 573.74 |
| 1795 | 75.75 | 1189.63 | 728.56 | 510.99 | 334.94 |
| 21657 | 75.61 | 462.08 | 165.28 | 762.09 | 292.8 |
| 16703 | 75.55 | 1812.5 | 580.21 | 1147.47 | 357.53 |
| 15120 | 75.49 | 158.84 | 36.08 | 238.23 | 94.67 |
| 9805 | 75.48 | 555.5 | 140.45 | 386.54 | 94.93 |
| 12155 | 75.45 | 2368.04 | 2360.22 | 572.57 | 410.44 |
| 15127 | 75.3 | 1257.57 | 486.54 | 674.31 | 302.62 |
| 23917 | 75.26 | 1285.56 | 577.93 | 814.72 | 342 |
| 23296 | 75.25 | 495.81 | 137.77 | 330.23 | 95.8 |
| 4199 | 75.13 | 689.15 | 154.38 | 899.09 | 203.59 |
| 5496 | 75.08 | 323.55 | 139.72 | 498.43 | 153.01 |
| 22802 | 75.03 | 63.91 | 24.72 | 109.02 | 53.45 |
| 5026 | 75.02 | 32.08 | 39.61 | 122.05 | 86.86 |
| 3121 | 74.96 | 1226.38 | 402.34 | 804.64 | 231.33 |
| 1479 | 74.87 | 200.76 | 71.6 | 299.5 | 94.41 |
| 21056 | 74.79 | 191.7 | 54.91 | 257.01 | 72.37 |
| 9268 | 74.77 | 269.61 | 125.35 | 155.86 | 54.66 |
| 19992 | 74.76 | 881.24 | 236.92 | 614.26 | 213.08 |

| TABLE 5LLL: Inducer and Liver Enlargement | | | | | |
|---|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12156 | 74.73 | 2833.78 | 3074.47 | 422.63 | 506.52 |
| 17155 | 74.73 | 225.73 | 81.81 | 135 | 60.86 |
| 14208 | 74.71 | 89.89 | 38.85 | 142.45 | 50.46 |
| 20698 | 74.64 | 563.9 | 164.59 | 910.96 | 450.64 |
| 21917 | 74.62 | 30.66 | 14.51 | 76.73 | 66.47 |
| 15126 | 74.5 | 2113.36 | 872.47 | 1247.44 | 500.98 |
| 3925 | 74.45 | 1123.43 | 311.95 | 806.43 | 297.82 |
| 3860 | 74.44 | 715.73 | 289.22 | 383.81 | 143.83 |
| 14202 | 74.43 | 115.02 | 55.72 | 56.76 | 51.95 |
| 18295 | 74.4 | 72.77 | 35.66 | 118.51 | 48.1 |
| 24323 | 74.38 | 549.98 | 139.07 | 412.1 | 103.39 |
| 22707 | 74.35 | 29.28 | 15.96 | 53.4 | 24.1 |
| 18867 | 74.1 | 661.28 | 442.42 | 831.46 | 209.88 |
| 4093 | 74.06 | 733.35 | 154.45 | 565.09 | 160.3 |
| 9402 | 74.05 | 138.18 | 31.4 | 189.55 | 53.15 |
| 20914 | 74.04 | 1034.46 | 1047.32 | 209.39 | 203.19 |
| 11153 | 74.02 | 415.59 | 170.72 | 639.47 | 199.55 |
| 21382 | 74.01 | 124.5 | 34.9 | 182.93 | 63.6 |
| 4312 | 74 | 289.09 | 281.36 | 56.11 | 138.04 |
| 8213 | 73.98 | 5073.74 | 1865.14 | 3387.66 | 1342.21 |
| 14390 | 73.98 | 103.52 | 18.95 | 83.06 | 19.6 |
| 18749 | 73.96 | 208.45 | 163.58 | 57.88 | 42.14 |
| 15872 | 73.93 | 310.84 | 116.91 | 505.13 | 168.2 |
| 15124 | 73.81 | 2066.34 | 877.47 | 1326.87 | 404.07 |
| 18726 | 73.77 | 249.86 | 74.81 | 366.36 | 114.75 |
| 5549 | 73.71 | 93.55 | 51.18 | 42.99 | 65.36 |
| 15673 | 73.66 | 1183.22 | 314.09 | 911.4 | 183.31 |
| 3969 | 73.59 | 466.47 | 120.45 | 575.17 | 143.79 |
| 14586 | 73.57 | 552.83 | 105.46 | 446.44 | 96.58 |
| 1822 | 73.52 | 32.71 | 13.65 | 56.48 | 23.25 |
| 3256 | 73.5 | 1349.88 | 363.84 | 1003.68 | 275.51 |
| 5622 | 73.49 | 1210.26 | 325.65 | 1608.5 | 372.01 |
| 9296 | 73.45 | 927.31 | 201.31 | 711.93 | 160.38 |
| 3924 | 73.44 | 448.13 | 107.79 | 322.57 | 113.24 |
| 20701 | 73.44 | 580.85 | 171.68 | 893.42 | 395.57 |
| 8036 | 73.41 | 121.88 | 50.9 | 191.37 | 67.12 |
| 4250 | 73.41 | 100.43 | 28.79 | 137.62 | 37.73 |
| 1888 | 73.38 | 65.91 | 43.7 | 31.26 | 34.19 |
| 6941 | 73.34 | 109.34 | 62.47 | 34.85 | 59.77 |
| 7225 | 73.34 | 275.06 | 61.15 | 345.74 | 95.13 |
| 16320 | 73.31 | 66.47 | 21.72 | 100.68 | 32.33 |
| 1588 | 73.29 | 160.78 | 45.74 | 237.17 | 84.84 |
| 9595 | 73.29 | 128.37 | 36.86 | 182.28 | 57.95 |
| 21975 | 73.28 | 219.86 | 113.17 | 270.04 | 80.28 |
| 3963 | 73.26 | 340.36 | 77.76 | 434.04 | 111.09 |
| 6824 | 73.25 | 621.85 | 260.83 | 409 | 211.56 |
| 18900 | 73.23 | 1057.41 | 207.22 | 797.52 | 172.65 |
| 25056 | 73.17 | 2718.94 | 2431.7 | 874.2 | 469.5 |
| 12157 | 73.14 | 3128.89 | 3251.72 | 489.1 | 646.35 |
| 11152 | 73.12 | 173.48 | 100.42 | 339.14 | 140.77 |
| 21977 | 73.12 | 579.7 | 113.74 | 711.76 | 222.37 |

| TABLE 5LLL: Inducer and Liver Enlargement | | | | | |
|---|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| GLCC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 24763 | 73.1 | 59.1 | 26.97 | 95.2 | 40.12 |
| 1478 | 73.03 | 313.56 | 101.5 | 426.83 | 118.62 |
| 25069 | 72.82 | 578.11 | 455.6 | 192.73 | 229.02 |
| 17752 | 72.78 | 333.01 | 91.76 | 476.24 | 141.38 |
| 20614 | 72.76 | 27.97 | 11.93 | 46.15 | 21.49 |
| 6911 | 72.67 | 177.76 | 39.76 | 235.63 | 75.02 |
| 4407 | 72.5 | 92.88 | 31.92 | 145.8 | 57.69 |
| 23321 | 72.48 | 298.34 | 62.2 | 235.95 | 64.35 |
| 17154 | 72.35 | 255.54 | 91.83 | 186.36 | 78.12 |
| 18747 | 72.28 | 424.39 | 283.26 | 146.69 | 103.58 |
| 1973 | 72.22 | 308.28 | 69.83 | 394.17 | 107.1 |
| 25087 | 72.2 | 40.05 | 26.66 | 100.94 | 76.02 |
| 25453 | 72.19 | 251.78 | 62.76 | 326.09 | 79.65 |
| 1551 | 72.15 | 753.2 | 363.62 | 1035.27 | 366.89 |
| 5998 | 72.11 | 143.33 | 48.28 | 203.78 | 71.4 |
| 18725 | 71.88 | 128.49 | 57.46 | 217.6 | 84.51 |
| 6055 | 71.73 | 857.56 | 258.28 | 1096.97 | 228.01 |
| 25281 | 71.66 | 197.38 | 56.7 | 152.9 | 48.14 |
| 16366 | 71.6 | 1297.79 | 498.27 | 780.6 | 281.32 |
| 7872 | 71.57 | 221.32 | 64.73 | 296.29 | 81.79 |
| 20913 | 71.47 | 1079.76 | 1404 | 244.93 | 188.26 |
| 2505 | 71.46 | 599.25 | 149.26 | 758.23 | 191.97 |
| 12087 | 71.43 | 765.1 | 250.74 | 1036.17 | 312.63 |
| 20299 | 71.43 | 529.36 | 194.11 | 732.03 | 249.09 |
| 19679 | 71.35 | 246.33 | 115.64 | 395.24 | 139.47 |
| 18400 | 71.29 | 30.61 | 11.77 | 50.59 | 24.67 |
| 7927 | 71.13 | 172.46 | 77.9 | 289.86 | 115.85 |
| 20429 | 71.06 | 409.47 | 195.57 | 631.67 | 259.92 |
| 16725 | 71.06 | 117.86 | 29.74 | 163.47 | 46 |
| 21012 | 70.93 | 2131.54 | 841.59 | 1497.4 | 545.85 |
| 20354 | 70.87 | 21.56 | 10.92 | 53.41 | 60.18 |
| 4242 | 70.85 | 341.78 | 186.52 | 524.19 | 210.15 |
| 9136 | 70.84 | 440.83 | 115.89 | 334.95 | 86.57 |
| 15980 | 70.8 | 47.86 | 18.25 | 64.06 | 23.28 |
| 6653 | 70.66 | 471.14 | 123.46 | 605.45 | 143.35 |
| 19730 | 70.65 | 186.08 | 99.69 | 318.05 | 151.39 |
| 1312 | 70.61 | 742.32 | 138.77 | 634.05 | 136.17 |
| 4809 | 70.58 | 42.2 | 10.04 | 61.08 | 25.56 |
| 64 | 70.56 | 101.58 | 23.87 | 135.61 | 44.32 |
| 15028 | 70.47 | 1368.28 | 486.36 | 1761.2 | 513.47 |
| 16217 | 70.35 | 362.58 | 100.1 | 453.79 | 152.13 |
| 14545 | 70.27 | 24.21 | 8.86 | 35.48 | 16.42 |
| 16604 | 70.25 | 59.25 | 26.01 | 86.18 | 33.88 |
| 15996 | 70.25 | 29.48 | 23.7 | 111.23 | 139.07 |
| 1640 | 70.24 | 32.97 | 13.51 | 52.85 | 24.55 |
| 15391 | 70.21 | 1143.73 | 271.75 | 981.39 | 176.45 |
| 25055 | 70.19 | 1636.52 | 2110.72 | 195.07 | 298.82 |
| 19287 | 70.16 | 45.92 | 15.88 | 63.95 | 21.46 |
| 10886 | 70.11 | 758.51 | 202.33 | 984.08 | 414.2 |
| 15601 | 70.07 | 438.24 | 151.02 | 307.47 | 75.18 |
| 1794 | 70.05 | 4051.87 | 2705.1 | 2109.88 | 1144.21 |

| TABLE 5LLL: Inducer and Liver Enlargement | | Attorney Docket 44921-5038-01-WO | | | |
|---|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4527 | 70.04 | 23.15 | 7.24 | 33.88 | 14.38 |

| TABLE 5MMM: INFLAMMATION | | Attorney Docket 44921-5098-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4011 | 99.87 | 166.43 | 57.73 | 1821.45 | 677.32 |
| 21012 | 99.79 | 476.81 | 16.35 | 1520.39 | 567.6 |
| 16304 | 99.79 | 296.61 | 51.2 | 1499.52 | 504.23 |
| 634 | 99.79 | 224.82 | 44.49 | 1536.28 | 417.92 |
| 16726 | 99.76 | 297.93 | 10.7 | 792.74 | 196.34 |
| 25525 | 99.76 | 172.66 | 36.36 | 1350.98 | 364.18 |
| 14495 | 99.74 | 78.02 | 13.42 | 323.78 | 111.6 |
| 24728 | 99.71 | 28.74 | 8.28 | 261.59 | 84.08 |
| 15 | 99.71 | 92.36 | 1.44 | 44.8 | 21.18 |
| 2997 | 99.68 | 88.08 | 5.9 | 375.4 | 119.98 |
| 11904 | 99.68 | 268.62 | 16.95 | 60.15 | 42.8 |
| 9214 | 99.66 | 880.52 | 97.9 | 273.93 | 150.19 |
| 18244 | 99.66 | 1182.44 | 47.71 | 542.72 | 137.87 |
| 635 | 99.63 | 188.18 | 84.64 | 1577.16 | 483.16 |
| 20872 | 99.63 | 1345.63 | 38.66 | 763.45 | 262.47 |
| 22598 | 99.63 | 3246.17 | 212.74 | 992.6 | 344.02 |
| 574 | 99.6 | 251.77 | 18.84 | 94.44 | 165.34 |
| 23651 | 99.6 | 65.74 | 17.19 | 20.61 | 97.18 |
| 22042 | 99.6 | 6153.73 | 992.13 | 233.68 | 1107.91 |
| 9845 | 99.6 | 3806.95 | 827.59 | 124.33 | 892.61 |
| 16416 | 99.58 | 288.07 | 16.78 | 108.4 | 60.71 |
| 15004 | 99.58 | 1695.49 | 240.53 | 236.04 | 142.5 |
| 5059 | 99.55 | 324.13 | 47.19 | 79.53 | 249.59 |
| 18580 | 99.55 | 1019.69 | 40.31 | 224.66 | 139.63 |
| 5969 | 99.52 | 362.85 | 61.79 | 1180.73 | 390.03 |
| 24860 | 99.5 | 32.25 | 5.22 | 391.3 | 272.54 |
| 4012 | 99.44 | 284.76 | 99.62 | 2441.81 | 1157.15 |
| 1641 | 99.44 | 275.36 | 14.85 | 110.29 | 51.67 |
| 9905 | 99.44 | 166.04 | 20.66 | 648.12 | 150.08 |
| 1600 | 99.42 | 80.25 | 4.34 | 37.92 | 93.41 |
| 3134 | 99.39 | 375.27 | 108.07 | 38.07 | 41.15 |
| 20915 | 99.39 | 98.85 | 6.27 | 536.36 | 365.97 |
| 13563 | 99.36 | 455.07 | 25.07 | 1185.43 | 356.64 |
| 154 | 99.36 | 501.9 | 58.32 | 165.9 | 60.49 |
| 20589 | 99.36 | 125.48 | 13.65 | 25.15 | 26.99 |
| 5967 | 99.34 | 203.14 | 33.53 | 867.88 | 367.62 |
| 21285 | 99.34 | 1157.81 | 137.93 | 100.17 | 161.93 |
| 309 | 99.31 | 1271.05 | 75.47 | 694.09 | 136.68 |
| 9215 | 99.31 | 1095.45 | 215.49 | 315.14 | 205.97 |
| 25052 | 99.31 | 1613.62 | 302.24 | 30.62 | 119.49 |
| 1221 | 99.28 | 197.14 | 26.41 | 32.78 | 122.89 |
| 16367 | 99.28 | 137.22 | 105.71 | 1420.14 | 541.97 |
| 4914 | 99.28 | 47.79 | 18.73 | 481.47 | 150.36 |
| 15002 | 99.26 | 812.99 | 200.75 | 139.85 | 68.61 |
| 16081 | 99.23 | 580.07 | 45.01 | 127.63 | 197.04 |
| 16366 | 99.23 | 126.39 | 27.16 | 798.97 | 303.77 |
| 6911 | 99.23 | 57.47 | 6.74 | 234.1 | 74.48 |
| 1809 | 99.23 | 6297.41 | 1822.96 | 122.34 | 681.56 |
| 6614 | 99.23 | 118.9 | 26.54 | 907.33 | 269.4 |
| 18618 | 99.21 | 1838.27 | 88.48 | 1149.65 | 214.57 |
| 3548 | 99.21 | 174.92 | 5.09 | 79.79 | 30.13 |

| TABLE 5MMM: INFLAMMATION | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14964 | 99.18 | 161.42 | 102.69 | 1006.2 | 317.11 |
| 22512 | 99.18 | 354.47 | 227.36 | 30.39 | 59.45 |
| 1602 | 99.18 | 170.64 | 16.69 | 467.13 | 108.67 |
| 10109 | 99.18 | 1938.46 | 117.34 | 1045.64 | 220.17 |
| 8584 | 99.15 | 144.43 | 32.68 | 1400.37 | 635.95 |
| 10071 | 99.13 | 90.84 | 33.37 | 30.7 | 24.06 |
| 22522 | 99.13 | 112.21 | 12.19 | 248.85 | 63.35 |
| 15741 | 99.13 | 317.97 | 109.01 | 1252.69 | 388.68 |
| 17541 | 99.13 | 316.82 | 124.41 | 1633.35 | 638.47 |
| 21522 | 99.13 | 765.82 | 52.59 | 164.35 | 209.31 |
| 11416 | 99.13 | 283.22 | 20.98 | 115.75 | 35.97 |
| 25802 | 99.13 | 516.44 | 15.56 | 257.7 | 80.46 |
| 15872 | 99.13 | 73.07 | 25.46 | 499.66 | 169.35 |
| 4636 | 99.13 | 457.49 | 50.41 | 74.1 | 125.75 |
| 21660 | 99.13 | 5230.59 | 324.32 | 1744.04 | 720.76 |
| 20529 | 99.13 | 1181.01 | 95.34 | 129.82 | 185.65 |
| 6615 | 99.1 | 89.58 | 20.45 | 438.68 | 128.87 |
| 20448 | 99.07 | 159 | 29.63 | 42.64 | 73.93 |
| 6263 | 99.07 | 77.77 | 18.31 | 292.55 | 100.65 |
| 1561 | 99.07 | 1985.06 | 196.05 | 870.62 | 217.06 |
| 14767 | 99.07 | 69.48 | 6.08 | 310.71 | 115.85 |
| 11849 | 99.07 | 1291.53 | 27.15 | 746.01 | 163.9 |
| 14384 | 99.07 | 542.05 | 32.59 | 247.13 | 63.39 |
| 2855 | 99.07 | 794.02 | 58.03 | 420.6 | 87.21 |
| 20249 | 99.05 | 78.03 | 10.56 | 24.83 | 20.92 |
| 15185 | 99.05 | 263.18 | 54.68 | 60.65 | 100.78 |
| 24469 | 99.05 | 1244.67 | 166.79 | 620.92 | 197.95 |
| 17333 | 99.05 | 148.37 | 21.45 | 51.16 | 34.11 |
| 12779 | 99.05 | 451.8 | 238.57 | 67.96 | 54.36 |
| 8273 | 99.05 | 219.01 | 79.36 | 43.6 | 33.76 |
| 20810 | 99.05 | 2037.68 | 83.17 | 1154.93 | 263.95 |
| 18385 | 99.05 | 178.44 | 102.58 | 21.57 | 29.85 |
| 22515 | 99.05 | 4183.61 | 1044.52 | 121.12 | 348.28 |
| 20864 | 99.02 | 55.18 | 25.79 | 472.15 | 380.76 |
| 5920 | 99.02 | 67.33 | 29.28 | 461.44 | 217.92 |
| 17324 | 99.02 | 81.82 | 19.34 | 378.9 | 117.26 |
| 24589 | 99.02 | 395.8 | 197.61 | 55.53 | 53.19 |
| 19411 | 99.02 | 111.17 | 7.01 | 33.82 | 21.69 |
| 25313 | 99.02 | 312.92 | 23.51 | 99.39 | 60.94 |
| 6823 | 99.02 | 814.26 | 140 | 251.11 | 106.22 |
| 8215 | 99.02 | 873.46 | 52.7 | 386.99 | 135.82 |
| 23005 | 98.99 | 270.87 | 18 | 124.39 | 86.19 |
| 20055 | 98.99 | 304.31 | 43.15 | 67.96 | 73.87 |
| 10984 | 98.99 | 79.7 | 65.47 | 1058.22 | 304.87 |
| 20944 | 98.99 | 1456.36 | 145.65 | 619.91 | 160.17 |
| 6532 | 98.99 | 317.77 | 23.11 | 140.71 | 43.19 |
| 5175 | 98.97 | 344.51 | 77.31 | 40.15 | 62.99 |
| 4969 | 98.97 | 2466.07 | 420.51 | 259.82 | 239.47 |
| 1678 | 98.94 | 22.06 | 13.4 | 124.71 | 41.32 |
| 2744 | 98.94 | 510.03 | 36.96 | 207.36 | 83.36 |
| 15503 | 98.91 | 181.26 | 37.44 | 64.23 | 59.72 |

| TABLE 5MMM: INFLAMMATION | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18001 | 98.91 | 196.94 | 39.51 | 718.21 | 179.34 |
| 682 | 98.91 | 664.18 | 326.43 | 109.18 | 95.85 |
| 17284 | 98.89 | 66.24 | 7.09 | 184.56 | 54.71 |
| 20462 | 98.89 | 1386.9 | 54.08 | 832.62 | 161.68 |
| 22513 | 98.89 | 6801.87 | 2063.44 | 24.21 | 724.48 |
| 24228 | 98.89 | 1963.56 | 170.96 | 977.17 | 260.22 |
| 23825 | 98.89 | 98.15 | 18.36 | 38.05 | 25.86 |
| 7427 | 98.86 | 242.61 | 40.71 | 32.31 | 29.32 |
| 18611 | 98.86 | 2091.17 | 198.59 | 1139.38 | 540.19 |
| 16080 | 98.83 | 333.96 | 51.66 | 71.05 | 142.79 |
| 20354 | 98.83 | 352.09 | 24.78 | 51.73 | 57.92 |
| 155 | 98.83 | 242.82 | 80.27 | 41.45 | 24.98 |
| 5667 | 98.83 | 1364.04 | 112.29 | 816.08 | 305.28 |
| 18750 | 98.81 | 372.57 | 8.69 | 246.42 | 71.72 |
| 22321 | 98.73 | 445.71 | 89.53 | 76.62 | 108.24 |
| 4178 | 98.73 | 79.54 | 11.94 | 39.39 | 54.77 |
| 10949 | 98.73 | 390.51 | 153.27 | 1874.53 | 687.28 |
| 18250 | 98.73 | 1694.19 | 100.64 | 952.01 | 198.91 |
| 12606 | 98.7 | 161.97 | 57.03 | 741.43 | 238.52 |
| 1893 | 98.7 | 164.59 | 74.91 | 31.84 | 31.29 |
| 5496 | 98.68 | 113.96 | 19.27 | 493.5 | 154.89 |
| 20701 | 98.68 | 2698.56 | 266.1 | 879.33 | 385.5 |
| 1572 | 98.65 | 172.32 | 13.47 | 73.12 | 32.33 |
| 19469 | 98.62 | 124.43 | 69.52 | 477.5 | 113.18 |
| 25675 | 98.62 | 1145.98 | 19.45 | 741.67 | 207.51 |
| 25687 | 98.62 | 2034.6 | 159.67 | 1275.29 | 658.59 |
| 21643 | 98.6 | 1666.53 | 167.12 | 891.15 | 220.23 |
| 24771 | 98.57 | 119.53 | 97.47 | 1109.43 | 314.81 |
| 20523 | 98.57 | 316.37 | 52.14 | 48.66 | 67.77 |
| 15626 | 98.57 | 2208.57 | 185.27 | 1329.28 | 250.81 |
| 18989 | 98.54 | 247.79 | 152.33 | 1480.44 | 689.51 |
| 20716 | 98.54 | 776.01 | 61.15 | 1643.73 | 473.59 |
| 15652 | 98.54 | 2214.91 | 91.58 | 1501.41 | 366.17 |
| 20698 | 98.54 | 3387.66 | 619.21 | 894.32 | 433.33 |
| 2667 | 98.52 | 317.82 | 43.77 | 809.25 | 200.01 |
| 1550 | 98.49 | 50.78 | 24.28 | 431.87 | 211.34 |

| TABLE SNNN: MIXED PHENOTYPE | | | | | |
|----------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5088-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15606 | 92.7 | 412.43 | 50.49 | 612.23 | 139.47 |
| 17468 | 90.25 | 410.3 | 42.97 | 563.07 | 116.14 |
| 18205 | 89.82 | 480.72 | 76.4 | 339.59 | 71.76 |
| 14776 | 89.71 | 61.13 | 17.01 | 148.43 | 49.08 |
| 22234 | 89.1 | 79.85 | 26.18 | 178.54 | 75.64 |
| 17815 | 89.03 | 26.23 | 5.3 | 48.32 | 16.77 |
| 15839 | 88.95 | 220.7 | 34.76 | 335.35 | 86.86 |
| 7471 | 88.84 | 407.22 | 36.15 | 279.68 | 82.3 |
| 7451 | 88.49 | 1846.84 | 394.18 | 1135.17 | 304.16 |
| 23029 | 88.49 | 260.89 | 97.85 | 772.33 | 458.06 |
| 373 | 88.33 | 247.66 | 84.94 | 475.56 | 164.96 |
| 22576 | 88.25 | 357.22 | 45.51 | 533.08 | 147.97 |
| 8917 | 88.06 | 135.29 | 33.22 | 42.07 | 42.14 |
| 18004 | 87.96 | 92.08 | 21.4 | 46.91 | 31.01 |
| 10517 | 87.93 | 28.24 | 5.52 | 45.62 | 11.51 |
| 1221 | 87.9 | 452.34 | 259.89 | 29.78 | 115.45 |
| 22840 | 87.9 | 1482.55 | 321.1 | 872.09 | 257.88 |
| 17906 | 87.88 | 313.01 | 33.46 | 430.96 | 164.33 |
| 20354 | 87.82 | 265.34 | 136.23 | 50.66 | 55.35 |
| 3452 | 87.5 | 123.4 | 67.38 | 31.39 | 31.8 |
| 12010 | 87.5 | 59.13 | 8.23 | 106.34 | 37.45 |
| 5523 | 87.37 | 942.67 | 163.26 | 458.22 | 305.69 |
| 20698 | 87.31 | 2157 | 938.68 | 889.54 | 428.25 |
| 23182 | 87.21 | 60.66 | 18.87 | 162.46 | 76.03 |
| 15170 | 87.05 | 88 | 42.55 | 197.03 | 56.09 |
| 23868 | 87.05 | 572.56 | 249.48 | 233.19 | 689.52 |
| 18764 | 87 | 4231.54 | 412.67 | 2944.99 | 1125.39 |
| 8237 | 86.94 | 161.57 | 36.09 | 90.17 | 35.5 |
| 1559 | 86.89 | 26.1 | 11.99 | 70.02 | 31.11 |
| 2161 | 86.83 | 1230.61 | 509.54 | 362.96 | 266.46 |
| 1798 | 86.73 | 4289.24 | 454.68 | 2784.74 | 1334.1 |
| 24200 | 86.64 | 1254.47 | 432.46 | 433.81 | 240.17 |
| 21707 | 86.64 | 180.08 | 79.1 | 40.18 | 51.11 |
| 10659 | 86.59 | 525.17 | 203.07 | 155.42 | 136.23 |
| 9423 | 86.54 | 1605.09 | 545.19 | 809.21 | 289.07 |
| 3292 | 86.48 | 5908.23 | 1756.38 | 2538.72 | 1353.64 |
| 16859 | 86.4 | 591.89 | 237.41 | 232.23 | 107.45 |
| 23030 | 86.39 | 156.55 | 74.24 | 485.91 | 306.9 |
| 6478 | 86.36 | 6014.17 | 823.68 | 3213.69 | 1791.32 |
| 402 | 86.3 | 2430.03 | 637.91 | 1197.13 | 402.29 |
| 19 | 86.3 | 1208.98 | 336.93 | 587.58 | 205.7 |
| 24170 | 86.23 | 54.64 | 24.46 | 117.56 | 50.69 |
| 7898 | 86.07 | 4930.46 | 609.03 | 3689.77 | 2023.31 |
| 3773 | 86.06 | 222.07 | 81.38 | 66.8 | 59.52 |
| 19729 | 85.9 | 146.22 | 70.47 | 557.2 | 329.56 |
| 16871 | 85.88 | 37.6 | 4.8 | 57.25 | 23.71 |
| 19412 | 85.87 | 687.29 | 165.02 | 385.37 | 115.43 |
| 17664 | 85.87 | 649.75 | 234.13 | 278.21 | 158.72 |
| 11563 | 85.82 | 92.87 | 37.72 | 31.98 | 36.83 |
| 25050 | 85.8 | 3444.41 | 442.9 | 2365.59 | 1304.34 |
| 18795 | 85.79 | 1173.52 | 441.62 | 536.84 | 194.57 |

| TABLE SNNN: MIXED PHENOTYPE | | | | | |
|-----------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5038-01-WO | | |
| GLGC | | | Document No. 1935323.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3431 | 85.69 | 1544.2 | 194.5 | 1040.69 | 310.99 |
| 21977 | 85.61 | 321.88 | 154.91 | 710.51 | 218.66 |
| 13353 | 85.58 | 142.6 | 54.04 | 286.13 | 59.76 |
| 16446 | 85.53 | 33.14 | 8.85 | 62.62 | 20.55 |
| 20 | 85.52 | 677.77 | 212.99 | 344.57 | 133.55 |
| 11727 | 85.51 | 305.09 | 113.65 | 183.52 | 242.75 |
| 5384 | 85.5 | 122.1 | 52.78 | 26.76 | 61.13 |
| 11839 | 85.48 | 22.4 | 18.92 | 72.34 | 43.16 |
| 354 | 85.27 | 108.79 | 27.74 | 82.01 | 153.06 |
| 20524 | 85.2 | 183.57 | 186.08 | 22.39 | 43.23 |
| 7897 | 85.16 | 5026.51 | 553.34 | 3443.12 | 2129.75 |
| 8477 | 85.07 | 549.17 | 155.84 | 300.32 | 116.31 |
| 1264 | 85.06 | 7661.79 | 1097.37 | 4248.44 | 3333.92 |
| 22380 | 85.06 | 169.47 | 29.99 | 268.51 | 108.89 |
| 19012 | 85.05 | 770.22 | 223.05 | 438.26 | 162.83 |
| 12979 | 85.02 | 849.06 | 213.38 | 507.28 | 264.22 |
| 12301 | 84.97 | 221.22 | 64.45 | 137.36 | 66.49 |
| 1114 | 84.95 | 784.76 | 111.17 | 565.4 | 206.84 |
| 20161 | 84.89 | 93.65 | 43.4 | 28.67 | 55.35 |
| 18660 | 84.87 | 71.79 | 21.38 | 129.94 | 52.56 |
| 25237 | 84.84 | 27.81 | 8.21 | 46.96 | 14.07 |
| 23869 | 84.81 | 183.61 | 109.1 | 64.33 | 132.43 |
| 13910 | 84.75 | 595.17 | 256.02 | 334.68 | 144.63 |
| 6109 | 84.73 | 5062.67 | 612.62 | 3577.61 | 2270.94 |
| 21305 | 84.71 | 102.49 | 19.3 | 160.21 | 64.73 |
| 11720 | 84.7 | 1391.1 | 372.23 | 739.89 | 262.69 |
| 15191 | 84.7 | 4454.06 | 1670.95 | 1196.05 | 1298.31 |
| 16130 | 84.68 | 5489.79 | 1043.64 | 3516.83 | 2337.77 |
| 16132 | 84.65 | 5576.25 | 699.92 | 3387.56 | 2223.54 |
| 20778 | 84.54 | 42.88 | 20.91 | 74.29 | 18.46 |
| 3073 | 84.5 | 27.17 | 17.75 | 101.86 | 90.69 |
| 22266 | 84.47 | 1300.02 | 172.66 | 1708.32 | 355.56 |
| 14425 | 84.46 | 1582.38 | 902.47 | 447.23 | 425.39 |
| 3725 | 84.36 | 112.91 | 46.17 | 44.27 | 53.59 |
| 14997 | 84.35 | 904.57 | 456.19 | 284.18 | 270.05 |
| 1350 | 84.33 | 64.19 | 8.94 | 101.77 | 31.73 |
| 15538 | 84.28 | 422.49 | 51.3 | 318.33 | 100.25 |
| 17779 | 84.28 | 257.98 | 58.6 | 403.58 | 139.36 |
| 12083 | 84.26 | 116.98 | 43.39 | 244.98 | 116.05 |
| 4731 | 84.24 | 242.3 | 152.93 | 53.19 | 75.67 |
| 14534 | 84.23 | 6841.04 | 941.06 | 4581.71 | 3863.48 |
| 396 | 84.22 | 366.11 | 76.57 | 217 | 87.76 |
| 6479 | 84.17 | 1948.92 | 533.14 | 1036.43 | 385.69 |
| 21209 | 84.11 | 390.41 | 233.24 | 81.61 | 78.56 |
| 3216 | 84.1 | 59.47 | 12.28 | 85.97 | 24.13 |
| 19421 | 84.07 | 4234.7 | 478.19 | 2937.97 | 1757.49 |
| 4746 | 84.06 | 72.05 | 19.08 | 34.44 | 29.01 |
| 11728 | 84.04 | 414.23 | 112.95 | 194.29 | 227.78 |
| 25317 | 84.01 | 2439.58 | 494.72 | 1376.62 | 460.73 |
| 111 | 83.99 | 4804.2 | 499.29 | 3144.58 | 2037.61 |
| 15189 | 83.82 | 5084.12 | 1961.4 | 1634.96 | 1633.37 |

| TABLE 5NNN: MIXED PHENOTYPE | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25051 | 83.8 | 4432.49 | 459.55 | 2679.89 | 1549.16 |
| 16275 | 83.77 | 4799.21 | 631.58 | 3424.79 | 2264.62 |
| 21098 | 83.76 | 2466.39 | 679.48 | 1140.37 | 528.02 |
| 16809 | 83.74 | 96.71 | 50.6 | 29.31 | 24.93 |
| 2368 | 83.71 | 735.22 | 293.69 | 1084.68 | 198.83 |
| 12082 | 83.64 | 121.2 | 67.54 | 333.43 | 159.05 |
| 17829 | 83.64 | 3573.37 | 470.6 | 2364.78 | 1197.64 |
| 14591 | 83.61 | 37.32 | 12.53 | 70.26 | 24.38 |
| 20700 | 83.53 | 4924.3 | 672.7 | 2928.32 | 1593.46 |
| 21679 | 83.4 | 33.75 | 12.43 | 61.77 | 24.12 |
| 1805 | 83.4 | 2412.57 | 518.34 | 1446.94 | 630.27 |
| 15190 | 83.26 | 5503.52 | 1949.25 | 1811.64 | 1683.48 |
| 17039 | 83.24 | 72.05 | 12.32 | 109.04 | 32.05 |
| 19373 | 83.24 | 1718.02 | 400.78 | 1025.64 | 514.06 |
| 23349 | 83.1 | 84.4 | 16.95 | 132.91 | 33.71 |
| 21097 | 83.07 | 1695.3 | 601.55 | 918.24 | 384.35 |
| 25481 | 83.05 | 4569.06 | 559.89 | 3051.77 | 1745.38 |
| 11966 | 83.03 | 196.55 | 30.4 | 295.67 | 95.81 |
| 23569 | 83.02 | 178.01 | 61.2 | 261.45 | 59.45 |
| 4590 | 83 | 25.6 | 14.08 | 51.57 | 26.92 |
| 25370 | 82.95 | 54.43 | 32.48 | 157.2 | 91.71 |
| 4213 | 82.95 | 7673.5 | 1203.32 | 4441.5 | 3875.31 |
| 6477 | 82.92 | 3589.01 | 566.41 | 2253.93 | 859.56 |
| 23872 | 82.86 | 175.04 | 116.05 | 73.93 | 155.07 |
| 6013 | 82.73 | 2842.65 | 343.79 | 1897 | 624.63 |
| 19411 | 82.72 | 78.5 | 28.65 | 33.63 | 21.53 |
| 20896 | 82.71 | 25.99 | 6.26 | 51.88 | 36.56 |
| 15387 | 82.65 | 680.01 | 113.62 | 519.63 | 120.56 |
| 22910 | 82.63 | 201.8 | 41.58 | 284.3 | 62.67 |
| 15103 | 82.58 | 137.13 | 17.88 | 179.53 | 33.01 |
| 14139 | 82.55 | 33.97 | 7.23 | 52.9 | 18.29 |
| 15187 | 82.44 | 64.75 | 13.07 | 108.77 | 43.44 |
| 18644 | 82.44 | 3043.69 | 500.75 | 2170.22 | 809.8 |
| 16963 | 82.39 | 6828.55 | 1207.62 | 4270.05 | 3536.32 |
| 22909 | 82.36 | 40.05 | 10.54 | 62.52 | 20.77 |
| 9424 | 82.32 | 1934.87 | 554.59 | 1006.7 | 372.95 |
| 14533 | 82.31 | 7970.91 | 1413.59 | 5046.93 | 4888.24 |
| 21940 | 82.23 | 249.98 | 44.32 | 394.32 | 112.17 |
| 1246 | 82.2 | 42.58 | 17.23 | 78.42 | 30.36 |
| 25883 | 82.18 | 2820.03 | 289.81 | 2245.09 | 1055.18 |
| 24825 | 82.12 | 1465.13 | 481.46 | 893.2 | 387.12 |
| 4254 | 82.07 | 5999.1 | 691.12 | 3997.89 | 2553.49 |
| 1540 | 82.04 | 100.84 | 27.83 | 161.94 | 58.63 |
| 15017 | 82.02 | 5813.73 | 801.68 | 3964.02 | 2711.45 |
| 1639 | 82.01 | 116.75 | 34.19 | 197.38 | 45.66 |
| 2367 | 81.98 | 283.22 | 144.41 | 398.47 | 98.14 |
| 1558 | 81.94 | 43.61 | 21.04 | 92.17 | 40.02 |
| 17709 | 81.93 | 119.41 | 59.33 | 37.46 | 41.78 |

| TABLE 5000: NECROSIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1246 | 80.45 | 39.39 | 19.36 | 80 | 29.62 |
| 11536 | 80.41 | 291.33 | 76.27 | 511.85 | 193.27 |
| 24321 | 79.54 | 447.79 | 210.79 | 817.55 | 252.02 |
| 1973 | 78.1 | 263.98 | 77.84 | 397.5 | 104.55 |
| 6033 | 77.89 | 654.45 | 220.35 | 1006.22 | 265.5 |
| 18564 | 77.81 | 274.17 | 84.41 | 386.79 | 94.93 |
| 4330 | 77.28 | 989.08 | 402.28 | 1543.74 | 446.87 |
| 22930 | 77.23 | 175.96 | 200.95 | 556.38 | 347.59 |
| 811 | 76.99 | 506.29 | 141.21 | 684.41 | 144.58 |
| 21173 | 76.96 | 110.85 | 51.97 | 199.21 | 74.6 |
| 3431 | 76.92 | 1356.96 | 256.43 | 1029.63 | 308.06 |
| 12946 | 76.85 | 259.09 | 92.83 | 353.08 | 98.59 |
| 21977 | 76.77 | 449.95 | 212.02 | 719.84 | 213.68 |
| 20778 | 76.44 | 51.26 | 16.69 | 75.14 | 18.07 |
| 15170 | 76.44 | 125.27 | 64.79 | 199.59 | 54.12 |
| 14767 | 76.43 | 188.25 | 78.17 | 316.07 | 114.56 |
| 24366 | 76.25 | 112.86 | 47.6 | 189.63 | 58.13 |
| 22929 | 76.21 | 433.57 | 606.13 | 1278.77 | 774.89 |
| 6263 | 75.91 | 206.22 | 64.26 | 296.23 | 100.65 |
| 4951 | 75.86 | 402.24 | 192.51 | 195.68 | 151.17 |
| 19103 | 75.83 | 497.14 | 189.78 | 756.27 | 230.2 |
| 9053 | 75.71 | 35.84 | 29.21 | 76.34 | 32.18 |
| 21025 | 75.54 | 37.93 | 38.95 | 91.05 | 50.97 |
| 7582 | 75.31 | 307.79 | 140.61 | 523.74 | 200.31 |
| 22870 | 75.25 | 628.86 | 193.01 | 903.08 | 269.18 |
| 11492 | 75.24 | 348.48 | 120.69 | 528.02 | 156.61 |
| 851 | 75.23 | 333.37 | 84.37 | 441.52 | 104.61 |
| 16465 | 75.1 | 302.33 | 69.82 | 412.35 | 104.75 |
| 19952 | 75.04 | 76.98 | 33.9 | 129.77 | 51.32 |
| 13167 | 75.04 | 83.28 | 25.63 | 115.5 | 30.99 |
| 3131 | 75.01 | 255.27 | 119.84 | 444.64 | 151.26 |
| 7344 | 74.88 | 117.22 | 54.42 | 190.68 | 59.36 |
| 8387 | 74.88 | 208.1 | 69.85 | 293.14 | 68.69 |
| 10184 | 74.79 | 63.35 | 48.59 | 124.29 | 57.96 |
| 7865 | 74.79 | 1138 | 246.56 | 857.72 | 202.94 |
| 1218 | 74.7 | 190.49 | 48.45 | 246.85 | 51.16 |
| 15755 | 74.68 | 581.08 | 130.93 | 748.07 | 179.7 |
| 11576 | 74.57 | 52.59 | 26.32 | 82.34 | 29.07 |
| 24161 | 74.5 | 335.75 | 75.75 | 466.01 | 123.48 |
| 17496 | 74.48 | 81.75 | 101.41 | 264.39 | 179.96 |
| 1314 | 74.45 | 240.55 | 55.21 | 187.28 | 44.13 |
| 11635 | 74.4 | 203.44 | 79.24 | 295.8 | 86.86 |
| 9128 | 74.36 | 162.07 | 74.39 | 107.76 | 76 |
| 7868 | 74.35 | 166.73 | 66.25 | 278.63 | 103.55 |
| 13757 | 74.33 | 138.92 | 44.46 | 197.52 | 51.43 |
| 16982 | 74.32 | 980.52 | 742.04 | 305.56 | 437.3 |
| 8549 | 74.31 | 395.79 | 191.78 | 674.79 | 221.08 |
| 22308 | 74.2 | 1154.95 | 310.26 | 823.85 | 286.13 |
| 410 | 74.12 | 112.09 | 74.23 | 190.18 | 89.99 |
| 32 | 74.08 | 208.2 | 61.24 | 301.46 | 81.89 |
| 13749 | 74.07 | 26.12 | 19.62 | 47.66 | 23.7 |

| TABLE 5000: NECROSIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1125 | 74.01 | 20.38 | 10.72 | 34.07 | 13.75 |
| 14933 | 73.98 | 28.51 | 16.98 | 51.9 | 21.1 |
| 16023 | 73.95 | 204.97 | 55.6 | 309.8 | 99.75 |
| 13670 | 73.94 | 72.32 | 26.53 | 110.24 | 33.08 |
| 5934 | 73.9 | 202.93 | 127.88 | 376.18 | 163.8 |
| 2150 | 73.82 | 631.27 | 135.79 | 789.66 | 161.38 |
| 2569 | 73.8 | 596.98 | 364.62 | 922.74 | 277.96 |
| 22027 | 73.72 | 7999.05 | 3868.53 | 8656.82 | 7794.21 |
| 9191 | 73.71 | 412.08 | 197.45 | 704.92 | 283.49 |
| 25480 | 73.68 | 397.65 | 180.78 | 615.76 | 188.42 |
| 22368 | 73.6 | 884.73 | 281.5 | 1207.52 | 308.66 |
| 3822 | 73.58 | 1983.36 | 611.51 | 1326.85 | 434.91 |
| 20601 | 73.54 | 514.03 | 311.33 | 990.58 | 453.58 |
| 9754 | 73.5 | 93.8 | 80.91 | 215.05 | 132.49 |
| 23368 | 73.49 | 41.74 | 20.99 | 77.78 | 35.07 |
| 11899 | 73.48 | 38.09 | 11.74 | 54.58 | 16.56 |
| 2897 | 73.46 | 64.58 | 28.75 | 43.73 | 24.77 |
| 6443 | 73.45 | 96.61 | 42.88 | 150.93 | 51.25 |
| 14970 | 73.45 | 129.9 | 46.69 | 186.65 | 39.82 |
| 6582 | 73.44 | 179.28 | 65.91 | 122.97 | 84.48 |
| 4914 | 73.44 | 313.12 | 147.35 | 488.63 | 147.01 |
| 7872 | 73.42 | 210.94 | 59.34 | 297.83 | 81.21 |
| 1409 | 73.3 | 297.42 | 98.63 | 416.39 | 111.92 |
| 14208 | 73.24 | 88.52 | 42.97 | 143.24 | 49.98 |
| 2536 | 73.23 | 280.92 | 185.23 | 612.93 | 346.5 |
| 4143 | 73.19 | 358.43 | 106.11 | 487.08 | 139.61 |
| 7003 | 73.19 | 253.93 | 118.2 | 403.22 | 125.34 |
| 14191 | 73.16 | 44.12 | 27.48 | 69.37 | 25.86 |
| 8520 | 73.11 | 287 | 90.04 | 384.3 | 94.24 |
| 7617 | 73.06 | 159.38 | 82.91 | 274.04 | 129.57 |
| 12616 | 73.05 | 34.08 | 21.18 | 57.16 | 28.05 |
| 25567 | 73.05 | 236.85 | 131.72 | 140.76 | 140.59 |
| 7069 | 72.96 | 228.53 | 60.85 | 307.62 | 74.43 |
| 21382 | 72.94 | 125.8 | 40.55 | 183.68 | 63.43 |
| 22612 | 72.88 | 262.18 | 98.53 | 353.43 | 93.14 |
| 15154 | 72.79 | 486.25 | 168.22 | 629.69 | 171.62 |
| 17339 | 72.7 | 469.13 | 284.04 | 873.43 | 471.58 |
| 13936 | 72.69 | 77.55 | 30.21 | 111.12 | 33.34 |
| 23124 | 72.68 | 147.31 | 38.13 | 188.04 | 38.79 |
| 3145 | 72.63 | 447.89 | 142.45 | 656.97 | 206.59 |
| 18854 | 72.58 | 98.61 | 35.17 | 145.94 | 45.17 |
| 2799 | 72.56 | 270.96 | 160.36 | 502.74 | 222.86 |
| 9012 | 72.56 | 446.74 | 225.37 | 713.11 | 272.1 |
| 18425 | 72.54 | 716.49 | 144.44 | 895.42 | 176.96 |
| 9423 | 72.52 | 1225.33 | 494.56 | 795.76 | 272.54 |
| 22197 | 72.52 | 274.53 | 126.51 | 151.03 | 80.01 |
| 15299 | 72.49 | 136.72 | 99.75 | 75.53 | 129.14 |
| 25370 | 72.47 | 80.14 | 69.8 | 160.06 | 91.19 |
| 28 | 72.45 | 515.39 | 249.36 | 818.4 | 261.35 |
| 22910 | 72.44 | 224.23 | 47.39 | 286.51 | 62.19 |
| 16327 | 72.24 | 393.85 | 134.63 | 550.82 | 156.05 |

| TABLE 5000: NECROSIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16446 | 72.17 | 40.85 | 16.97 | 63.43 | 20.24 |
| 17401 | 72.07 | 247.03 | 105.9 | 442.09 | 217.8 |
| 1920 | 71.97 | 847.57 | 499.56 | 422.78 | 238.6 |
| 9254 | 71.86 | 134.75 | 39.82 | 186.06 | 47.53 |
| 24645 | 71.81 | 292.07 | 86.77 | 402.64 | 172.03 |
| 16450 | 71.73 | 155.04 | 82.99 | 253.23 | 90.21 |
| 3430 | 71.73 | 328.78 | 135.64 | 232.03 | 136.33 |
| 4133 | 71.71 | 258.76 | 93.66 | 380.44 | 110.36 |
| 15642 | 71.67 | 614.4 | 297.65 | 365.09 | 141.2 |
| 22862 | 71.58 | 292.41 | 156.22 | 462.12 | 162.35 |
| 22867 | 71.58 | 185.61 | 60.99 | 253.97 | 66.01 |
| 10509 | 71.56 | 86.96 | 50.74 | 140.94 | 53.12 |
| 15613 | 71.55 | 657.99 | 361.32 | 1205.53 | 818.49 |
| 19067 | 71.55 | 83.37 | 36.82 | 131.66 | 51.87 |
| 19085 | 71.49 | 138.9 | 61.3 | 84.31 | 44.17 |
| 1529 | 71.44 | 441.12 | 133.23 | 576.25 | 124.78 |
| 7066 | 71.4 | 265.46 | 71.19 | 337.12 | 76.8 |
| 18640 | 71.39 | 125.78 | 32.05 | 160.61 | 37.92 |
| 8438 | 71.39 | 58.17 | 43.6 | 95.9 | 44.8 |
| 15864 | 71.33 | 114.24 | 40.15 | 163.06 | 50.79 |
| 18727 | 71.27 | 1220.54 | 500.22 | 741.86 | 362.51 |
| 134 | 71.24 | 55.39 | 56.81 | 121.11 | 50.09 |
| 24657 | 71.19 | 41.61 | 24.82 | 71.32 | 34.89 |
| 16364 | 71.19 | 91.83 | 71.17 | 183.38 | 87.03 |
| 15700 | 71.14 | 334.61 | 115.23 | 454.01 | 121.99 |
| 4198 | 71.13 | 990.89 | 309.11 | 1095.49 | 227.27 |
| 12312 | 71.1 | 693.37 | 278.99 | 985.63 | 260.15 |
| 21396 | 71.05 | 339.39 | 107.99 | 474.01 | 135.61 |
| 22582 | 70.98 | 302.19 | 155.45 | 444.11 | 139.14 |
| 13332 | 70.92 | 151.77 | 67.73 | 232.77 | 82.91 |
| 21679 | 70.88 | 40.37 | 19.98 | 62.57 | 23.89 |
| 17468 | 70.83 | 462.08 | 94.5 | 566.67 | 115.34 |
| 4450 | 70.81 | 147.58 | 43.04 | 199.33 | 60.99 |
| 64 | 70.79 | 89.69 | 36.94 | 136.66 | 43.39 |
| 16730 | 70.78 | 52.05 | 33.75 | 23.72 | 23.98 |
| 1921 | 70.68 | 482.04 | 295.87 | 202.77 | 148.18 |
| 11966 | 70.67 | 209.37 | 63.32 | 299 | 95.26 |
| 15188 | 70.66 | 160.33 | 36.04 | 190 | 35.08 |
| 23524 | 70.66 | 102.6 | 55.19 | 69.88 | 66.6 |
| 4234 | 70.62 | 953.43 | 414.06 | 600.02 | 282.32 |
| 4843 | 70.56 | 382.91 | 91.27 | 493.63 | 116.68 |
| 25550 | 70.53 | 66.97 | 30.39 | 38.22 | 23.22 |
| 1791 | 70.5 | 59.89 | 15.32 | 88 | 34.32 |
| 573 | 70.49 | 596.83 | 329.62 | 907.15 | 340.47 |
| 812 | 70.47 | 328.96 | 109.26 | 451.05 | 113.45 |
| 15612 | 70.44 | 203.85 | 143.03 | 456.18 | 329.95 |
| 21980 | 70.39 | 435.55 | 235.06 | 509.54 | 157.8 |
| 20735 | 70.37 | 348.83 | 188.33 | 182.25 | 124.18 |
| 18453 | 70.27 | 395.8 | 247.38 | 654.27 | 261.72 |
| 16449 | 70.22 | 164.08 | 172.17 | 338.34 | 187.58 |
| 18810 | 70.2 | 674.27 | 122.51 | 780.88 | 129.73 |

| TABLE 5000: NECROSIS | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18128 | 70.14 | 85.99 | 30.56 | 121.64 | 31.04 |
| 3031 | 70.09 | 31.34 | 20.4 | 66.53 | 38.85 |
| 25701 | 70.05 | 105.45 | 30.26 | 142.53 | 47.12 |

| TABLE 5PPP: Necrosis and Steatosis | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2485 | 87.09 | 301.35 | 148.09 | 766.8 | 293.22 |
| 4275 | 85.35 | 1277.97 | 238.54 | 1805.19 | 414.55 |
| 6018 | 84.52 | 1559.26 | 820.19 | 5911.24 | 3944.14 |
| 17672 | 84.37 | 1329.91 | 331.11 | 2124.16 | 514.77 |
| 5355 | 84.32 | 1731.56 | 424.96 | 3257.85 | 1024.99 |
| 9016 | 84.29 | 1301.32 | 546.75 | 2654.18 | 985.01 |
| 3757 | 84.22 | 194.8 | 87.81 | 77.1 | 37.2 |
| 11165 | 83.62 | 507.81 | 110 | 793.01 | 199.96 |
| 8900 | 83.33 | 1427.98 | 406.2 | 2778.77 | 987.39 |
| 15141 | 82.78 | 218.69 | 43.11 | 144.76 | 47.16 |
| 23417 | 82.61 | 375.58 | 128.63 | 227.51 | 68.84 |
| 6016 | 82.51 | 1128.99 | 397.7 | 2115.32 | 763.04 |
| 17812 | 82.49 | 1132.09 | 413.31 | 2139.03 | 697.37 |
| 18765 | 82.19 | 1800.73 | 478.16 | 2872.67 | 859.44 |
| 20716 | 82.19 | 1105.92 | 163.26 | 1651.12 | 473.09 |
| 5954 | 82.17 | 2102.15 | 884.46 | 3662.39 | 1142.25 |
| 18491 | 81.98 | 683.9 | 165.05 | 1083.7 | 287.53 |
| 3971 | 81.94 | 88.08 | 30.74 | 47.07 | 20.7 |
| 20668 | 81.84 | 72.21 | 20.61 | 121.71 | 37.41 |
| 3579 | 81.79 | 1234.47 | 273.95 | 1929.28 | 600.63 |
| 15535 | 81.57 | 708.77 | 118.92 | 517.37 | 135.36 |
| 11431 | 81.55 | 145.85 | 77 | 66.59 | 24.08 |
| 6189 | 81.44 | 1542.93 | 643.32 | 3966.14 | 2203.02 |
| 4272 | 81.41 | 83.67 | 49.48 | 33.25 | 75.56 |
| 5749 | 81.33 | 298.26 | 56.95 | 195.75 | 84.89 |
| 25589 | 81.32 | 210.32 | 53.06 | 131.13 | 42.16 |
| 1173 | 81.31 | 742.55 | 454.97 | 1586.26 | 697.03 |
| 14312 | 81.17 | 326.74 | 90.55 | 497.21 | 136.33 |
| 21603 | 81.15 | 1212.98 | 370.02 | 2069.88 | 610.36 |
| 24626 | 80.93 | 1309.57 | 166.39 | 1767.36 | 393.81 |
| 7497 | 80.87 | 1241.89 | 255.45 | 1723 | 333.36 |
| 23657 | 80.83 | 259.82 | 139.58 | 127.66 | 53.5 |
| 13574 | 80.76 | 250.93 | 141.15 | 307.11 | 93.16 |
| 3254 | 80.65 | 414.78 | 110.19 | 254.22 | 87.9 |
| 22196 | 80.61 | 125.92 | 70.59 | 46.72 | 29.21 |
| 10504 | 80.58 | 636.99 | 167.51 | 958.22 | 259.78 |
| 11623 | 80.58 | 1887.33 | 621.9 | 3594.35 | 1409.39 |
| 16943 | 80.57 | 1285.79 | 298.18 | 2022.55 | 500.28 |
| 15218 | 80.52 | 1216.73 | 233.49 | 1731.53 | 337.77 |
| 24321 | 80.41 | 429.18 | 228.9 | 806.94 | 257.88 |
| 5723 | 80.37 | 590.64 | 275.9 | 1184.07 | 493.28 |
| 14970 | 80.24 | 158.7 | 76.41 | 184.47 | 40.93 |
| 23950 | 80.21 | 74.65 | 25.89 | 40.57 | 14.9 |
| 16947 | 80.2 | 742.4 | 210.62 | 1160.02 | 319.96 |
| 24228 | 80.07 | 716.79 | 111.15 | 983.77 | 263.55 |
| 2587 | 79.98 | 1074.05 | 277.8 | 1658.76 | 455.64 |
| 16948 | 79.93 | 654.81 | 225.52 | 1126.56 | 360.05 |
| 1336 | 79.83 | 81.06 | 17.51 | 52.73 | 22.9 |
| 13097 | 79.8 | 99.38 | 75.51 | 349.17 | 246.74 |
| 16993 | 79.79 | 649.83 | 273.86 | 1064.8 | 292.1 |
| 15490 | 79.78 | 248.87 | 75.87 | 150.13 | 49.97 |

| TABLE 5PPP: Necrosis and Steatosis | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4193 | 79.76 | 519.7 | 200.36 | 767.04 | 153.68 |
| 3916 | 79.65 | 890.06 | 409.75 | 1549.67 | 402.33 |
| 24212 | 79.63 | 1172.57 | 239.9 | 1641.83 | 372.13 |
| 22457 | 79.59 | 408.8 | 180.42 | 193.94 | 129.12 |
| 2350 | 79.56 | 955.99 | 321.9 | 651.47 | 173.2 |
| 2596 | 79.48 | 669.98 | 194.8 | 1070.07 | 342.06 |
| 17688 | 79.43 | 102.39 | 40.44 | 55.25 | 28.9 |
| 16904 | 79.4 | 464.89 | 146.83 | 306.62 | 98.06 |
| 20694 | 79.29 | 263.93 | 125.81 | 438.67 | 149.04 |
| 22918 | 79.25 | 63.18 | 30.45 | 35.56 | 35.31 |
| 820 | 79.23 | 1295.43 | 287.9 | 2112.37 | 661.96 |
| 7887 | 79.21 | 256.91 | 93.72 | 142.91 | 78.26 |
| 12252 | 79.2 | 656.99 | 184.72 | 982.53 | 219.13 |
| 229 | 79.12 | 489.47 | 134.3 | 683.72 | 158.09 |
| 670 | 79.12 | 873.34 | 222.06 | 1213.49 | 265.11 |
| 16950 | 79.11 | 102.81 | 43.92 | 50.15 | 27.5 |
| 12524 | 79.11 | 545.12 | 129.85 | 390.24 | 110.34 |
| 21053 | 79.1 | 1034.56 | 268.7 | 1906.14 | 724.73 |
| 6132 | 79.09 | 325.46 | 123.7 | 530.85 | 143.81 |
| 1335 | 79.09 | 904.96 | 223.85 | 1229.56 | 238.42 |
| 2748 | 79.03 | 191.97 | 64.73 | 112.27 | 43.71 |
| 18766 | 79.02 | 1035.29 | 315.08 | 1729.26 | 581.54 |
| 3062 | 79.01 | 2084.87 | 958.88 | 3322.07 | 897.9 |
| 1695 | 78.97 | 20.52 | 18.64 | 58.84 | 36.43 |
| 1902 | 78.92 | 107.16 | 60.25 | 228 | 107.02 |
| 25496 | 78.92 | 142.88 | 47.99 | 88.37 | 38.98 |
| 6403 | 78.92 | 96.11 | 38.05 | 58.7 | 28.47 |
| 19827 | 78.86 | 840.98 | 364.48 | 1869.2 | 780.44 |
| 21467 | 78.81 | 738.47 | 284.26 | 1620.72 | 767.68 |
| 7005 | 78.76 | 99.56 | 32.27 | 64.45 | 23.65 |
| 2913 | 78.74 | 714.79 | 198.56 | 1041.32 | 208.59 |
| 15080 | 78.72 | 418.84 | 111.2 | 622.11 | 150.36 |
| 17408 | 78.67 | 957.2 | 283.76 | 1683.57 | 511.11 |
| 20741 | 78.65 | 77.26 | 55.77 | 21.23 | 28.79 |
| 10472 | 78.64 | 88.97 | 50.1 | 199.04 | 92.19 |
| 24811 | 78.63 | 952.62 | 379.79 | 1513.77 | 453.52 |
| 5465 | 78.58 | 629.6 | 323.17 | 780.39 | 203.19 |
| 6739 | 78.57 | 150.82 | 26.06 | 116.96 | 34.81 |
| 6303 | 78.57 | 103.81 | 32.64 | 67.94 | 19.71 |
| 6455 | 78.56 | 1871.61 | 722.95 | 3694.47 | 1289.02 |
| 17941 | 78.56 | 1946.9 | 668.45 | 3561.87 | 1231.96 |
| 24629 | 78.54 | 426.74 | 48.61 | 361.47 | 92.29 |
| 10902 | 78.52 | 270.88 | 184.24 | 46.15 | 151.33 |
| 15149 | 78.48 | 214.72 | 81.42 | 111.85 | 45.18 |
| 10227 | 78.46 | 310.29 | 40.74 | 421.94 | 113 |
| 8808 | 78.46 | 250.96 | 173 | 420.61 | 109.69 |
| 230 | 78.45 | 1634.61 | 559.45 | 3148.45 | 1027.38 |
| 20503 | 78.45 | 502.95 | 260.82 | 913.09 | 343.14 |
| 7888 | 78.44 | 388.08 | 126.83 | 263.13 | 139.51 |
| 24838 | 78.42 | 1342.12 | 252.82 | 1784.89 | 336.82 |
| 5033 | 78.21 | 771.57 | 206.94 | 510.42 | 286.02 |

| TABLE 5PPP: Necrosis and Steatosis | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLCC | | | | | |
| Identifier# | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4360 | 78.19 | 138.39 | 64.37 | 266.48 | 128.71 |
| 15680 | 78.05 | 278.2 | 135.46 | 140.33 | 53.98 |
| 1175 | 78.05 | 232.34 | 169.31 | 637.41 | 346.62 |
| 22927 | 77.89 | 57.66 | 29.42 | 27.31 | 17.38 |
| 10544 | 77.76 | 307.89 | 113.08 | 177.64 | 68.59 |
| 17427 | 77.72 | 782.27 | 229.68 | 1126.84 | 247.06 |
| 16272 | 77.7 | 1149.5 | 387.95 | 1836.34 | 533.31 |
| 15487 | 77.59 | 141.84 | 65.36 | 64.03 | 28.71 |
| 8984 | 77.57 | 286.28 | 81.7 | 178.85 | 57.12 |
| 25443 | 77.54 | 761.32 | 228.47 | 1123.44 | 336.3 |
| 9842 | 77.53 | 1038.14 | 372.49 | 1612.5 | 408.91 |
| 14295 | 77.51 | 83.3 | 56.87 | 29.39 | 21.75 |
| 727 | 77.5 | 278.29 | 58.71 | 202.6 | 50.9 |
| 16013 | 77.38 | 46.5 | 19.59 | 26.44 | 10.36 |
| 1531 | 77.3 | 659.79 | 202.76 | 1061.36 | 325.14 |
| 6107 | 77.21 | 193.5 | 96.56 | 91.18 | 53.79 |
| 10886 | 77.19 | 594.81 | 225.38 | 983.26 | 410.34 |
| 18728 | 77.14 | 141.33 | 41.29 | 98.37 | 23.4 |
| 10545 | 77.14 | 367.98 | 125.94 | 215.66 | 85.82 |
| 20299 | 77.13 | 467.49 | 205.02 | 729.83 | 248.48 |
| 21978 | 77.11 | 108 | 32.02 | 178.93 | 66.61 |
| 21123 | 77.08 | 610.82 | 236.64 | 952.27 | 276.89 |
| 4592 | 77.06 | 262.39 | 106.22 | 151.23 | 49.75 |
| 4590 | 77.01 | 21.19 | 31.56 | 51.88 | 26.57 |
| 1481 | 76.98 | 108.89 | 39.47 | 57.59 | 28.87 |
| 21052 | 76.94 | 156.66 | 90.07 | 293.4 | 108.53 |
| 20998 | 76.92 | 890.05 | 211.6 | 1253.01 | 335.62 |
| 16306 | 76.89 | 837.63 | 177.97 | 1104.49 | 255.03 |
| 16942 | 76.87 | 954.72 | 263.15 | 1442.07 | 498.11 |
| 851 | 76.81 | 336.98 | 110.19 | 438.26 | 105.33 |
| 812 | 76.8 | 295.24 | 144.73 | 448.02 | 113.86 |
| 5621 | 76.78 | 102.49 | 49.35 | 183.31 | 68.13 |
| 15066 | 76.76 | 875.94 | 261.35 | 1335.71 | 355.35 |
| 18494 | 76.71 | 90.37 | 40.55 | 47.64 | 25.64 |
| 20728 | 76.59 | 353.36 | 77.32 | 262.01 | 83.55 |
| 463 | 76.56 | 32.22 | 10.62 | 20.87 | 9.02 |
| 21122 | 76.55 | 982.26 | 313.72 | 1534.32 | 488.06 |
| 8957 | 76.53 | 614.35 | 137.63 | 472.66 | 100.57 |
| 8956 | 76.51 | 307.2 | 64.86 | 233.02 | 63.04 |
| 3549 | 76.47 | 314.73 | 122.77 | 199.55 | 79.79 |
| 17448 | 76.39 | 107.7 | 47.37 | 53.28 | 35.99 |
| 25480 | 76.35 | 396.02 | 159.52 | 609.34 | 192.08 |
| 6013 | 76.33 | 1203.22 | 351.67 | 1916.56 | 625.38 |
| 12523 | 76.31 | 233.87 | 57.22 | 160.14 | 60.26 |
| 25253 | 76.29 | 443.36 | 113.38 | 316.98 | 101.7 |
| 24810 | 76.24 | 234.73 | 121.28 | 419.97 | 149.98 |
| 20708 | 76.11 | 62.71 | 29.66 | 33.58 | 17.78 |
| 15273 | 76.11 | 68.12 | 25.03 | 43.8 | 30.62 |
| 7064 | 76.06 | 663.45 | 341.04 | 329.57 | 193.88 |
| 20684 | 76.06 | 102.22 | 37.23 | 66.45 | 24.07 |
| 17687 | 75.98 | 69.13 | 24.41 | 39.16 | 15.2 |

| TABLE 5PPP: Necrosis and Steatosis | | Attorney Docket 44921-5033-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3831 | 75.95 | 76.21 | 49.71 | 33.73 | 23.37 |
| 24707 | 75.88 | 803.26 | 267.21 | 1268.52 | 454.81 |
| 1546 | 75.88 | 266.24 | 130.33 | 301.31 | 73.82 |
| 1447 | 75.86 | 299.06 | 55.12 | 240.19 | 59.89 |
| 588 | 75.83 | 549.32 | 261.23 | 944.83 | 266.61 |
| 20464 | 75.82 | 1158.23 | 293.14 | 1791.43 | 557.37 |
| 15087 | 75.82 | 116.15 | 39.85 | 80.28 | 31.73 |
| 11405 | 75.79 | 76.56 | 25.67 | 38.92 | 19.51 |
| 21977 | 75.78 | 457.76 | 166.47 | 711.73 | 219.29 |
| 32 | 75.77 | 240.43 | 118.96 | 298.15 | 82.32 |
| 17299 | 75.77 | 46.84 | 19.86 | 26.78 | 13.14 |
| 23961 | 75.77 | 762.83 | 315.82 | 1092.98 | 221.2 |
| 2016 | 75.75 | 186.11 | 45.37 | 130 | 33.98 |
| 21576 | 75.74 | 131.37 | 44.22 | 79.13 | 32.62 |

| TABLE 5QQQ: Necrosis and Steatosis | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2485 | 87.09 | 301.35 | 148.09 | 766.8 | 293.22 |
| 4275 | 85.35 | 1277.97 | 238.54 | 1805.19 | 414.55 |
| 6018 | 84.52 | 1559.26 | 820.19 | 5911.24 | 3944.14 |
| 17672 | 84.37 | 1329.91 | 331.11 | 2124.16 | 514.77 |
| 5355 | 84.32 | 1731.56 | 424.96 | 3257.85 | 1024.99 |
| 3757 | 84.22 | 194.8 | 87.81 | 77.1 | 37.2 |
| 11165 | 83.62 | 507.81 | 110 | 793.01 | 199.96 |
| 8900 | 83.33 | 1427.98 | 406.2 | 2778.77 | 987.39 |
| 15141 | 82.78 | 218.69 | 43.11 | 144.76 | 47.16 |
| 23417 | 82.61 | 375.58 | 128.63 | 227.51 | 68.84 |
| 17812 | 82.49 | 1132.09 | 413.31 | 2139.03 | 697.37 |
| 20716 | 82.19 | 1105.92 | 163.26 | 1651.12 | 473.09 |
| 18765 | 82.19 | 1800.73 | 478.16 | 2872.67 | 859.44 |
| 5954 | 82.17 | 2102.15 | 884.46 | 3662.39 | 1142.25 |
| 18491 | 81.98 | 683.9 | 165.05 | 1083.7 | 287.53 |
| 3971 | 81.94 | 88.08 | 30.74 | 47.07 | 20.7 |
| 20668 | 81.84 | 72.21 | 20.61 | 121.71 | 37.41 |
| 3579 | 81.79 | 1234.47 | 273.95 | 1929.28 | 600.63 |
| 15535 | 81.57 | 708.77 | 118.92 | 517.37 | 135.36 |
| 11431 | 81.55 | 145.85 | 77 | 66.59 | 24.08 |
| 6189 | 81.44 | 1542.93 | 643.32 | 3966.14 | 2203.02 |
| 4272 | 81.41 | 83.67 | 49.48 | 33.25 | 75.56 |
| 5749 | 81.33 | 298.26 | 56.95 | 195.75 | 84.89 |
| 25589 | 81.32 | 210.32 | 53.06 | 131.13 | 42.16 |
| 1173 | 81.31 | 742.55 | 454.97 | 1586.26 | 697.03 |
| 14312 | 81.17 | 326.74 | 90.55 | 497.21 | 136.33 |
| 21603 | 81.15 | 1212.98 | 370.02 | 2069.88 | 610.36 |
| 24626 | 80.93 | 1309.57 | 166.39 | 1767.36 | 393.81 |
| 7497 | 80.87 | 1241.89 | 255.45 | 1723 | 333.36 |
| 23657 | 80.83 | 259.82 | 139.58 | 127.66 | 53.5 |
| 13574 | 80.76 | 250.93 | 141.15 | 307.11 | 93.16 |
| 3254 | 80.65 | 414.78 | 110.19 | 254.22 | 87.9 |
| 22196 | 80.61 | 125.92 | 70.59 | 46.72 | 29.21 |
| 11623 | 80.58 | 1887.33 | 621.9 | 3594.35 | 1409.39 |
| 10504 | 80.58 | 636.99 | 167.51 | 958.22 | 259.78 |
| 16943 | 80.57 | 1285.79 | 298.18 | 2022.55 | 500.28 |
| 15218 | 80.52 | 1216.73 | 233.49 | 1731.53 | 337.77 |
| 24321 | 80.41 | 429.18 | 228.9 | 806.94 | 257.88 |
| 5723 | 80.37 | 590.64 | 275.9 | 1184.07 | 493.28 |
| 14970 | 80.24 | 158.7 | 76.41 | 184.47 | 40.93 |
| 23950 | 80.21 | 74.65 | 25.89 | 40.57 | 14.9 |
| 16947 | 80.2 | 742.4 | 210.62 | 1160.02 | 319.96 |
| 24228 | 80.07 | 716.79 | 111.15 | 983.77 | 263.55 |
| 2587 | 79.98 | 1074.05 | 277.8 | 1658.76 | 455.64 |
| 16948 | 79.93 | 654.81 | 225.52 | 1126.56 | 360.05 |
| 1336 | 79.83 | 81.06 | 17.51 | 52.73 | 22.9 |
| 13097 | 79.8 | 99.38 | 75.51 | 349.17 | 246.74 |
| 16993 | 79.79 | 649.83 | 273.86 | 1064.8 | 292.1 |
| 15490 | 79.78 | 248.87 | 75.87 | 150.13 | 49.97 |
| 3916 | 79.65 | 890.06 | 409.75 | 1549.67 | 402.33 |
| 24212 | 79.63 | 1172.57 | 239.9 | 1641.83 | 372.13 |

| TABLE 5Q0Q: Necrosis and Steatosis | | | | | |
|------------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22457 | 79.59 | 408.8 | 180.42 | 193.94 | 129.12 |
| 2350 | 79.56 | 955.99 | 321.9 | 651.47 | 173.2 |
| 2596 | 79.48 | 669.98 | 194.8 | 1070.07 | 342.06 |
| 17688 | 79.43 | 102.39 | 40.44 | 55.25 | 28.9 |
| 16904 | 79.4 | 464.89 | 146.83 | 306.62 | 98.06 |
| 20694 | 79.29 | 263.93 | 125.81 | 438.67 | 149.04 |
| 22918 | 79.25 | 63.18 | 30.45 | 35.56 | 35.31 |
| 820 | 79.23 | 1295.43 | 287.9 | 2112.37 | 661.96 |
| 12252 | 79.2 | 656.99 | 184.72 | 982.53 | 219.13 |
| 670 | 79.12 | 873.34 | 222.06 | 1213.49 | 265.11 |
| 229 | 79.12 | 489.47 | 134.3 | 683.72 | 158.09 |
| 12524 | 79.11 | 545.12 | 129.85 | 390.24 | 110.34 |
| 16950 | 79.11 | 102.81 | 43.92 | 50.15 | 27.5 |
| 21053 | 79.1 | 1034.56 | 268.7 | 1906.14 | 724.73 |
| 1335 | 79.09 | 904.96 | 223.85 | 1229.56 | 238.42 |
| 2748 | 79.03 | 191.97 | 64.73 | 112.27 | 43.71 |
| 18766 | 79.02 | 1035.29 | 315.08 | 1729.26 | 581.54 |
| 3062 | 79.01 | 2084.87 | 958.88 | 3322.07 | 897.9 |
| 1695 | 78.97 | 20.52 | 18.64 | 58.84 | 36.43 |
| 6403 | 78.92 | 96.11 | 38.05 | 58.7 | 28.47 |
| 25496 | 78.92 | 142.88 | 47.99 | 88.37 | 38.98 |
| 1902 | 78.92 | 107.16 | 60.25 | 228 | 107.02 |
| 19827 | 78.86 | 840.98 | 364.48 | 1869.2 | 780.44 |
| 21467 | 78.81 | 738.47 | 284.26 | 1620.72 | 767.68 |
| 7005 | 78.76 | 99.56 | 32.27 | 64.45 | 23.65 |
| 2913 | 78.74 | 714.79 | 198.56 | 1041.32 | 208.59 |
| 15080 | 78.72 | 418.84 | 111.2 | 622.11 | 150.36 |
| 17408 | 78.67 | 957.2 | 283.76 | 1683.57 | 511.11 |
| 20741 | 78.65 | 77.26 | 55.77 | 21.23 | 28.79 |
| 10472 | 78.64 | 88.97 | 50.1 | 199.04 | 92.19 |
| 24811 | 78.63 | 952.62 | 379.79 | 1513.77 | 453.52 |
| 5465 | 78.58 | 629.6 | 323.17 | 780.39 | 203.19 |
| 6303 | 78.57 | 103.81 | 32.64 | 67.94 | 19.71 |
| 6739 | 78.57 | 150.82 | 26.06 | 116.96 | 34.81 |
| 17941 | 78.56 | 1946.9 | 668.45 | 3561.87 | 1231.96 |
| 6455 | 78.56 | 1871.61 | 722.95 | 3694.47 | 1289.02 |
| 24629 | 78.54 | 426.74 | 48.61 | 361.47 | 92.29 |
| 10902 | 78.52 | 270.88 | 184.24 | 46.15 | 151.33 |
| 15149 | 78.48 | 214.72 | 81.42 | 111.85 | 45.18 |
| 8808 | 78.46 | 250.96 | 173 | 420.61 | 109.69 |
| 10227 | 78.46 | 310.29 | 40.74 | 421.94 | 113 |
| 230 | 78.45 | 1634.61 | 559.45 | 3148.45 | 1027.38 |
| 12654 | 78.43 | 118.21 | 42.08 | 209.7 | 86.59 |
| 24838 | 78.42 | 1342.12 | 252.82 | 1784.89 | 336.82 |
| 14509 | 78.35 | 2275.37 | 1157.08 | 5079.26 | 2283.96 |
| 16913 | 78.34 | 835.01 | 241.01 | 1233.66 | 280.72 |
| 19363 | 78.29 | 790.9 | 442.35 | 1915.34 | 900.41 |
| 16884 | 78.24 | 1981.67 | 844.28 | 3749.69 | 1517.1 |
| 16484 | 78.22 | 113.65 | 28.89 | 76.53 | 39.09 |
| 5033 | 78.21 | 771.57 | 206.94 | 510.42 | 286.02 |
| 4360 | 78.19 | 138.39 | 64.37 | 266.48 | 128.71 |

| TABLE 5QQQ: Necrosis and Steatosis | | | | | |
|------------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| CLIC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15680 | 78.05 | 278.2 | 135.46 | 140.33 | 53.98 |
| 1175 | 78.05 | 232.34 | 169.31 | 637.41 | 346.62 |
| 22927 | 77.89 | 57.66 | 29.42 | 27.31 | 17.38 |
| 10544 | 77.76 | 307.89 | 113.08 | 177.64 | 68.59 |
| 17427 | 77.72 | 782.27 | 229.68 | 1126.84 | 247.06 |
| 16272 | 77.7 | 1149.5 | 387.95 | 1836.34 | 533.31 |
| 15487 | 77.59 | 141.84 | 65.36 | 64.03 | 28.71 |
| 8984 | 77.57 | 286.28 | 81.7 | 178.85 | 57.12 |
| 25443 | 77.54 | 761.32 | 228.47 | 1123.44 | 336.3 |
| 9842 | 77.53 | 1038.14 | 372.49 | 1612.5 | 408.91 |
| 14295 | 77.51 | 83.3 | 56.87 | 29.39 | 21.75 |
| 727 | 77.5 | 278.29 | 58.71 | 202.6 | 50.9 |
| 16013 | 77.38 | 46.5 | 19.59 | 26.44 | 10.36 |
| 1531 | 77.3 | 659.79 | 202.76 | 1061.36 | 325.14 |
| 6107 | 77.21 | 193.5 | 96.56 | 91.18 | 53.79 |
| 10886 | 77.19 | 594.81 | 225.38 | 983.26 | 410.34 |
| 18728 | 77.14 | 141.33 | 41.29 | 98.37 | 23.4 |
| 10545 | 77.14 | 367.98 | 125.94 | 215.66 | 85.82 |
| 20299 | 77.13 | 467.49 | 205.02 | 729.83 | 248.48 |
| 21978 | 77.11 | 108 | 32.02 | 178.93 | 66.61 |
| 21123 | 77.08 | 610.82 | 236.64 | 952.27 | 276.89 |
| 4590 | 77.01 | 21.19 | 31.56 | 51.88 | 26.57 |
| 1481 | 76.98 | 108.89 | 39.47 | 57.59 | 28.87 |
| 21052 | 76.94 | 156.66 | 90.07 | 293.4 | 108.53 |
| 20998 | 76.92 | 890.05 | 211.6 | 1253.01 | 335.62 |
| 16306 | 76.89 | 837.63 | 177.97 | 1104.49 | 255.03 |
| 16942 | 76.87 | 954.72 | 263.15 | 1442.07 | 498.11 |
| 851 | 76.81 | 336.98 | 110.19 | 438.26 | 105.33 |
| 812 | 76.8 | 295.24 | 144.73 | 448.02 | 113.86 |
| 5621 | 76.78 | 102.49 | 49.35 | 183.31 | 68.13 |
| 15066 | 76.76 | 875.94 | 261.35 | 1335.71 | 355.35 |
| 18494 | 76.71 | 90.37 | 40.55 | 47.64 | 25.64 |
| 20728 | 76.59 | 353.36 | 77.32 | 262.01 | 83.55 |
| 463 | 76.56 | 32.22 | 10.62 | 20.87 | 9.02 |
| 21122 | 76.55 | 982.26 | 313.72 | 1534.32 | 488.06 |
| 8957 | 76.53 | 614.35 | 137.63 | 472.66 | 100.57 |
| 8956 | 76.51 | 307.2 | 64.86 | 233.02 | 63.04 |
| 3549 | 76.47 | 314.73 | 122.77 | 199.55 | 79.79 |
| 17448 | 76.39 | 107.7 | 47.37 | 53.28 | 35.99 |
| 25480 | 76.35 | 396.02 | 159.52 | 609.34 | 192.08 |
| 6013 | 76.33 | 1203.22 | 351.67 | 1916.56 | 625.38 |
| 12523 | 76.31 | 233.87 | 57.22 | 160.14 | 60.26 |
| 25253 | 76.29 | 443.36 | 113.38 | 316.98 | 101.7 |
| 24810 | 76.24 | 234.73 | 121.28 | 419.97 | 149.98 |
| 15273 | 76.11 | 68.12 | 25.03 | 43.8 | 30.62 |
| 24707 | 75.88 | 803.26 | 267.21 | 1268.52 | 454.81 |
| 1546 | 75.88 | 266.24 | 130.33 | 301.31 | 73.82 |
| 1447 | 75.86 | 299.06 | 55.12 | 240.19 | 59.89 |
| 588 | 75.83 | 549.32 | 261.23 | 944.83 | 266.61 |
| 20464 | 75.82 | 1158.23 | 293.14 | 1791.43 | 557.37 |
| 15087 | 75.82 | 116.15 | 39.85 | 80.28 | 31.73 |

| TABLE 5QQQ: Necrosis and Steatosis | | Attorney Docket 44921-5038-01-WO | | | |
|------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 11405 | 75.79 | 76.56 | 25.67 | 38.92 | 19.51 |
| 21977 | 75.78 | 457.76 | 166.47 | 711.73 | 219.29 |
| 32 | 75.77 | 240.43 | 118.96 | 298.15 | 82.32 |
| 17299 | 75.77 | 46.84 | 19.86 | 26.78 | 13.14 |
| 23961 | 75.77 | 762.83 | 315.82 | 1092.98 | 221.2 |
| 2016 | 75.75 | 186.11 | 45.37 | 130 | 33.98 |
| 21576 | 75.74 | 131.37 | 44.22 | 79.13 | 32.62 |
| 20801 | 75.71 | 174.53 | 104.38 | 61.22 | 43.1 |
| 20715 | 75.7 | 631.56 | 305.69 | 379.9 | 431.78 |
| 811 | 75.64 | 498.38 | 186.42 | 679.27 | 146.6 |
| 20734 | 75.63 | 406.23 | 226.62 | 193.81 | 122.13 |
| 2098 | 75.63 | 197.62 | 62.14 | 131.89 | 39.14 |
| 25078 | 75.6 | 257.77 | 72.5 | 360.32 | 102.61 |

| TABLE 5RRR: Peroxisome Proliferator | | | | | |
|-------------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5033-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLCC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18742 | 98.82 | 1395.22 | 377 | 331.46 | 139.11 |
| 3860 | 98.23 | 1020.07 | 183.29 | 386.32 | 144.26 |
| 21354 | 98.04 | 2438.54 | 664.57 | 398.66 | 326.24 |
| 9268 | 97.99 | 388.91 | 99.47 | 156.52 | 54.93 |
| 17758 | 97.86 | 2183.07 | 1294.12 | 338.94 | 276.11 |
| 26109 | 97.7 | 1431.69 | 788.49 | 130.13 | 201.23 |
| 21355 | 97.64 | 1608.57 | 598.02 | 284.11 | 233.93 |
| 15601 | 97.59 | 591.73 | 88.14 | 308.01 | 75.3 |
| 20711 | 97.54 | 1093.37 | 395.06 | 122.84 | 168.15 |
| 20554 | 97.11 | 781.07 | 265.31 | 256.75 | 121.19 |
| 16546 | 96.52 | 473.71 | 108.35 | 188.12 | 80.79 |
| 17935 | 96.52 | 1301.26 | 245.19 | 417.34 | 241.18 |
| 3279 | 96.18 | 1448.22 | 289.68 | 689.02 | 171.45 |
| 4271 | 96.04 | 773.49 | 392.46 | 50.42 | 98.08 |
| 25070 | 95.93 | 871.16 | 132.57 | 495.28 | 122.26 |
| 4272 | 95.91 | 447.67 | 209.78 | 28.57 | 53.7 |
| 21164 | 95.72 | 891.44 | 192.29 | 356.8 | 153.87 |
| 21010 | 94.92 | 1825.11 | 610.76 | 661.38 | 258.7 |
| 23698 | 94.15 | 2682.98 | 1467.86 | 327.6 | 259.44 |
| 18749 | 94.07 | 340.43 | 180.29 | 59.1 | 43.36 |
| 9805 | 93.8 | 651.04 | 107.46 | 388.61 | 96.62 |
| 21341 | 93.48 | 1729.16 | 293.99 | 844.97 | 286.35 |
| 5616 | 93.33 | 701.71 | 115.57 | 1262.83 | 376.92 |
| 24290 | 92.8 | 1566 | 269.08 | 2840.19 | 688.49 |
| 2811 | 92.79 | 460.54 | 132.66 | 188.34 | 72.44 |
| 22603 | 92.73 | 678.05 | 170.3 | 255.81 | 98.93 |
| 16721 | 92.71 | 522.59 | 136.6 | 256.69 | 66.29 |
| 20915 | 92.68 | 1741.17 | 527.25 | 519.29 | 335.46 |
| 9372 | 92.36 | 992.51 | 290.48 | 290.67 | 172.25 |
| 17027 | 92.11 | 459.3 | 164.1 | 1158.32 | 403.43 |
| 18890 | 92.1 | 2126.61 | 703.94 | 731.73 | 311.39 |
| 11525 | 91.82 | 605.99 | 118 | 378.78 | 80.31 |
| 2457 | 91.7 | 925.53 | 285.3 | 243.33 | 129.08 |
| 14131 | 91.67 | 177.72 | 85.3 | 32.53 | 28.09 |
| 18867 | 91.55 | 341.89 | 108.84 | 832.37 | 217.2 |
| 5602 | 91.54 | 1093.96 | 425.02 | 195.9 | 181.31 |
| 3844 | 91.53 | 133.76 | 30.36 | 66.02 | 27.78 |
| 20038 | 91.53 | 224.07 | 64.78 | 66.56 | 52.17 |
| 6512 | 91.45 | 261.67 | 69.23 | 137.69 | 58.66 |
| 3513 | 91.38 | 224.19 | 72.29 | 102.21 | 27.27 |
| 17887 | 91.27 | 674.94 | 138.23 | 1162.37 | 315.74 |
| 20925 | 91.05 | 2025.8 | 953.53 | 398.28 | 388.07 |
| 2813 | 91 | 1449.62 | 337.35 | 768.66 | 202.18 |
| 22602 | 90.97 | 418.08 | 125.73 | 118.05 | 80.02 |
| 6055 | 90.93 | 688.38 | 146.53 | 1094.5 | 229.18 |
| 18891 | 90.88 | 1054.26 | 375.61 | 291.23 | 139.59 |
| 15872 | 90.85 | 233.66 | 58.8 | 502.31 | 168.5 |
| 3121 | 90.84 | 1531.83 | 384.49 | 808.91 | 233.77 |
| 5597 | 90.72 | 97.1 | 25.96 | 172.5 | 42.38 |
| 9522 | 90.55 | 30.09 | 13.71 | 78.75 | 30.69 |
| 22416 | 90.5 | 692.09 | 317.42 | 139.61 | 72.86 |

| TABLE 5RRR: Peroxisome Proliferator | | | | | |
|-------------------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5038-01-WO | | |
| GLCC | | | Document No. 1935323.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2150 | 90.45 | 521.41 | 72.48 | 785.87 | 161.72 |
| 6553 | 90.3 | 180.98 | 39.98 | 68.24 | 47.43 |
| 16704 | 90.3 | 1493.66 | 416.18 | 595.44 | 266.45 |
| 21822 | 90.28 | 545.57 | 87.01 | 344.74 | 79.78 |
| 1977 | 90.28 | 934.5 | 248.52 | 360.68 | 157.96 |
| 4199 | 90.26 | 576.36 | 100.68 | 896.44 | 203.32 |
| 19992 | 90.12 | 1056.22 | 170.88 | 617.21 | 213.79 |
| 20851 | 90.04 | 291.79 | 138.72 | 64.52 | 70.23 |
| 22051 | 90.01 | 338.08 | 85.59 | 153.02 | 62.05 |
| 3524 | 89.97 | 490.75 | 71.59 | 332.05 | 74.66 |
| 16768 | 89.82 | 993.05 | 221.21 | 488.29 | 151.19 |
| 21975 | 89.72 | 134.46 | 50.41 | 270.19 | 80.88 |
| 3099 | 89.71 | 907.15 | 119.96 | 637.06 | 122.41 |
| 21815 | 89.69 | 381.67 | 92.68 | 210.21 | 56.32 |
| 15175 | 89.55 | 413.05 | 95.48 | 229.57 | 63.71 |
| 22392 | 89.53 | 574.14 | 120.92 | 369.34 | 80.99 |
| 24275 | 89.5 | 563.19 | 134.97 | 318.76 | 90.64 |
| 6788 | 89.41 | 284.1 | 46.49 | 138.84 | 75.96 |
| 5622 | 89.28 | 974.12 | 164.12 | 1603.77 | 372.32 |
| 420 | 89.2 | 267.25 | 85.23 | 115.74 | 68.66 |
| 18747 | 89.11 | 658.81 | 286.26 | 149.06 | 105.49 |
| 17516 | 88.95 | 516.51 | 162.9 | 246.62 | 71.11 |
| 22014 | 88.85 | 70.55 | 31.16 | 160.5 | 45.96 |
| 20715 | 88.76 | 2217.46 | 1097.81 | 359.61 | 356.68 |
| 1728 | 88.73 | 710.85 | 263.03 | 244.12 | 97.33 |
| 14507 | 88.59 | 283.34 | 107.83 | 92.58 | 91.6 |
| 9929 | 88.54 | 1111.6 | 218.07 | 666.24 | 174.77 |
| 17886 | 88.53 | 806.81 | 117.22 | 1257.51 | 424.91 |
| 22840 | 88.53 | 478.71 | 118.87 | 882.27 | 261.28 |
| 23228 | 88.39 | 670.47 | 187.41 | 1455.62 | 515.12 |
| 18126 | 88.32 | 685.5 | 140.82 | 399.7 | 120.11 |
| 3167 | 88.32 | 520.76 | 116.21 | 274.29 | 101.53 |
| 15085 | 88.28 | 2781.4 | 893.62 | 1413.37 | 396.39 |
| 21693 | 88.26 | 554.41 | 100.33 | 885.83 | 199.67 |
| 19391 | 88.17 | 152.41 | 46.18 | 322.4 | 126.75 |
| 3720 | 88.05 | 312.35 | 34.01 | 231.14 | 46.62 |
| 4163 | 87.95 | 286.14 | 77.56 | 126.79 | 79.16 |
| 12496 | 87.93 | 35.43 | 9.11 | 77 | 29.81 |
| 1354 | 87.89 | 535.54 | 152.35 | 258.55 | 220.17 |
| 18083 | 87.83 | 367.23 | 288.94 | 21.22 | 51.65 |
| 22604 | 87.82 | 2296.72 | 720.82 | 1014.22 | 444.77 |
| 8784 | 87.8 | 332.31 | 80.63 | 179.04 | 57.23 |
| 16547 | 87.61 | 1479.5 | 304.08 | 813.12 | 232.12 |
| 11954 | 87.6 | 2107.02 | 975.37 | 1701.5 | 472.72 |
| 18725 | 87.56 | 88.4 | 26.82 | 216.37 | 84.48 |
| 7831 | 87.48 | 327.01 | 42.02 | 451.45 | 82.81 |
| 22050 | 87.48 | 1406.66 | 297.61 | 762.8 | 382.68 |
| 14103 | 87.45 | 114.63 | 38.57 | 267.93 | 112.19 |
| 9096 | 87.32 | 795.28 | 258.03 | 369.53 | 436.81 |
| 20724 | 87.3 | 34.94 | 17.31 | 85.73 | 32.91 |
| 9135 | 87.3 | 963.58 | 109.67 | 744.99 | 134.09 |

| TABLE 5RRR: Peroxisome Proliferator | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18315 | 87.05 | 195.41 | 95.17 | 44.7 | 32.67 |
| 7756 | 86.69 | 157.38 | 94.07 | 32.34 | 32.19 |
| 20703 | 86.58 | 110.85 | 79.58 | 454.52 | 484.06 |
| 20998 | 86.57 | 724.75 | 229.63 | 1253.86 | 332.87 |
| 21729 | 86.36 | 1520.29 | 697.04 | 633.94 | 312.6 |
| 14595 | 85.8 | 398.86 | 210.76 | 63.72 | 70 |
| 18958 | 85.75 | 841.29 | 349.21 | 318.62 | 105.44 |
| 18450 | 85.54 | 685.82 | 109.75 | 493.89 | 105.43 |
| 48 | 85.5 | 392.22 | 108.61 | 672.18 | 188.91 |
| 25500 | 85.5 | 79.5 | 29.1 | 156.14 | 51.1 |
| 1351 | 85.16 | 61.44 | 17.14 | 39.4 | 23.22 |
| 9931 | 85.04 | 911.87 | 180.18 | 611.39 | 150.58 |
| 12158 | 84.86 | 488.42 | 266.07 | 229.44 | 545.86 |
| 21848 | 84.55 | 419.85 | 70.76 | 300.4 | 77.78 |
| 12156 | 84.24 | 1207.53 | 581.96 | 492.19 | 858.02 |
| 13005 | 84.23 | 284.27 | 162.53 | 250.8 | 86.13 |
| 17154 | 84.13 | 306.08 | 68.22 | 187.06 | 78.52 |
| 20705 | 84.11 | 305.83 | 177.63 | 1037.14 | 951.07 |
| 23660 | 84.03 | 719 | 242.9 | 1342.24 | 415.04 |
| 20555 | 83.98 | 858.8 | 430.75 | 333.39 | 171.92 |
| 21078 | 83.94 | 1132.66 | 178.79 | 732.96 | 210.84 |
| 5496 | 83.88 | 269.46 | 90.87 | 495.69 | 154.23 |
| 15087 | 83.85 | 117.76 | 26.39 | 80.39 | 31.99 |
| 382 | 83.84 | 184.44 | 52.17 | 298.72 | 88.62 |
| 699 | 83.8 | 420.54 | 62.37 | 614.3 | 157.86 |
| 15755 | 83.67 | 436.74 | 126.41 | 744.46 | 178.3 |
| 25055 | 83.63 | 494.56 | 277.8 | 238.93 | 545.97 |
| 16150 | 83.56 | 1732.97 | 956.96 | 655.56 | 225.21 |
| 229 | 83.53 | 476.65 | 96.56 | 683.17 | 158.59 |
| 20859 | 83.42 | 86.3 | 29.41 | 41.46 | 19.76 |
| 18726 | 83.31 | 214.14 | 59.83 | 364.53 | 114.8 |
| 19679 | 83.31 | 174.52 | 95.87 | 393.25 | 139.52 |
| 17933 | 83.29 | 326.01 | 125.87 | 126.45 | 67.59 |
| 6780 | 83.2 | 1165.95 | 265.02 | 781.43 | 186.55 |
| 21849 | 83.16 | 255.45 | 48.89 | 155.92 | 59.77 |
| 20713 | 82.99 | 2233.44 | 1149.79 | 698.6 | 475.99 |
| 1973 | 82.88 | 253.17 | 53.56 | 393.21 | 106.51 |
| 3512 | 82.84 | 188.43 | 56.13 | 109.67 | 22.12 |
| 21909 | 82.71 | 85.27 | 25.88 | 155.47 | 58.73 |
| 6554 | 82.64 | 383.48 | 117.89 | 613.77 | 160.84 |
| 18318 | 82.63 | 307.84 | 156.14 | 85.01 | 57.77 |
| 17806 | 82.62 | 28.35 | 17.49 | 78.22 | 35.81 |
| 16767 | 82.59 | 1114.94 | 256.57 | 598.92 | 188.52 |
| 19590 | 82.59 | 109.66 | 39.53 | 52.83 | 28.39 |
| 18316 | 82.52 | 272.93 | 146.04 | 71.63 | 53.95 |
| 18175 | 82.52 | 873.12 | 220.25 | 492.37 | 109.45 |
| 8182 | 82.51 | 948.23 | 221.02 | 1461.33 | 332.47 |
| 135 | 82.49 | 191.44 | 52.76 | 308.11 | 109.98 |
| 23336 | 82.46 | 93.43 | 53.71 | 23.6 | 22.62 |
| 20985 | 82.46 | 312.53 | 142.66 | 134.71 | 54.21 |
| 15579 | 82.32 | 2231.79 | 1412.02 | 1671.33 | 656.28 |

| TABLE 5RRR: Peroxisome Proliferator | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22918 | 82.15 | 148.21 | 76.06 | 34.53 | 32.02 |
| 1421 | 82.14 | 206.14 | 55.75 | 137.96 | 22.3 |
| 18509 | 82.13 | 365.15 | 46.59 | 269.39 | 57.64 |
| 17203 | 82.09 | 1014.4 | 134.98 | 758.17 | 175.38 |
| 24 | 82.06 | 21.95 | 12.59 | 53.02 | 24.96 |

| TABLE 5SSS: Rat-Specific Carcinogen | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20915 | 93.91 | 1805.09 | 604.22 | 511.5 | 314.52 |
| 16703 | 88.66 | 2138.04 | 506.86 | 1151 | 358.58 |
| 9268 | 88.25 | 336.95 | 120.8 | 156.25 | 54.84 |
| 16067 | 87.61 | 409.09 | 114.06 | 166.21 | 113.22 |
| 14131 | 87.2 | 150.18 | 85.27 | 32.26 | 27.88 |
| 4199 | 87.07 | 611.54 | 119.74 | 897.5 | 203.17 |
| 9805 | 86.93 | 601.47 | 126.8 | 388.13 | 96.51 |
| 24290 | 86.56 | 1754.24 | 422.93 | 2843.5 | 688.37 |
| 15872 | 86.1 | 265.64 | 82.22 | 503.15 | 168.47 |
| 9032 | 85.89 | 833 | 120.24 | 600.82 | 156.37 |
| 7022 | 85.56 | 108.49 | 40.67 | 36.13 | 37.46 |
| 1354 | 85.48 | 489.01 | 150.84 | 257.93 | 220.57 |
| 16704 | 85.15 | 1320.9 | 456.21 | 593.86 | 265.98 |
| 3860 | 85.1 | 863.45 | 299.89 | 385.85 | 144.31 |
| 18742 | 83.72 | 1099.78 | 570.72 | 331.3 | 139.42 |
| 20724 | 83.54 | 41.06 | 19.44 | 85.88 | 32.9 |
| 5496 | 83.52 | 283.08 | 84.44 | 496.65 | 154.04 |
| 18749 | 83.4 | 276.07 | 184.17 | 58.8 | 43.21 |
| 23445 | 83.38 | 82.35 | 59.13 | 238.47 | 130.21 |
| 5497 | 83.33 | 389.95 | 134.98 | 647.1 | 186.12 |
| 17758 | 83.32 | 1635.9 | 1397.51 | 339.32 | 276.79 |
| 5622 | 83.08 | 1056.24 | 205.4 | 1605.61 | 372.33 |
| 4272 | 83.02 | 326.33 | 262.98 | 28.6 | 53.81 |
| 21355 | 82.81 | 1197.89 | 828.88 | 284.72 | 234.39 |
| 26109 | 82.78 | 1047.85 | 906.25 | 130.36 | 201.6 |
| 21354 | 82.78 | 1824.88 | 1133.25 | 399.24 | 326.93 |
| 3969 | 82.63 | 427.9 | 66.47 | 574.31 | 144.07 |
| 3279 | 82.51 | 1233.57 | 424.63 | 688.98 | 171.78 |
| 25281 | 82.44 | 206.56 | 29.85 | 153.38 | 48.83 |
| 6824 | 82.41 | 608.07 | 167.81 | 412.35 | 215.83 |
| 20711 | 82.35 | 792.82 | 585.45 | 123.27 | 168.49 |
| 23698 | 82.27 | 2027.31 | 1621.74 | 327.27 | 260 |
| 3302 | 82.2 | 161.88 | 45.78 | 263.17 | 89.59 |
| 7926 | 82.17 | 145.03 | 33.86 | 94.57 | 52.51 |
| 14202 | 82.14 | 125.33 | 53.49 | 57.41 | 52.28 |
| 420 | 82.08 | 244.09 | 86.72 | 115.36 | 68.51 |
| 4291 | 82.06 | 143.23 | 61.43 | 312.22 | 138.74 |
| 20554 | 82.03 | 636.3 | 323.16 | 256.65 | 121.44 |
| 4271 | 81.78 | 550.39 | 486.67 | 50.73 | 98.25 |
| 16547 | 81.62 | 1328.12 | 373.64 | 812.39 | 231.92 |
| 6512 | 81.49 | 232.08 | 79.58 | 137.58 | 58.69 |
| 21917 | 81.42 | 27.61 | 11.21 | 76.12 | 66.21 |
| 21341 | 81.38 | 1470.98 | 486.82 | 845.07 | 286.97 |
| 22050 | 81.3 | 1307.01 | 364.7 | 761.21 | 382.02 |
| 16701 | 81.25 | 3576.94 | 1006.26 | 2250.42 | 688.67 |
| 18747 | 81.14 | 540.21 | 308.81 | 148.55 | 105.43 |
| 3121 | 81.14 | 1370.17 | 421.73 | 808.06 | 233.87 |
| 15601 | 81.14 | 508.7 | 154 | 308.05 | 75.45 |
| 28 | 81.01 | 455.22 | 163.25 | 811.05 | 265.6 |
| 25070 | 80.95 | 776.25 | 192.1 | 495.05 | 122.45 |
| 5046 | 80.88 | 40.05 | 15.39 | 78.3 | 42.16 |

| TABLE 5SSS: Rat-Specific Carcinogen | | | | | |
|-------------------------------------|-----------|----------|---------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15673 | 80.85 | 1200.23 | 162.33 | 915.03 | 191.72 |
| 9372 | 80.84 | 783.92 | 415.34 | 290.82 | 172.65 |
| 8899 | 80.82 | 695.06 | 122.26 | 910.11 | 199.42 |
| 15146 | 80.8 | 124.94 | 35.52 | 224.58 | 111.01 |
| 15125 | 80.79 | 2526.33 | 930.66 | 1632.56 | 604.59 |
| 15127 | 80.74 | 1046.44 | 242.52 | 686.77 | 324.88 |
| 8315 | 80.63 | 205.65 | 79.92 | 75.33 | 61.5 |
| 21010 | 80.54 | 1512.33 | 722.25 | 661 | 259.12 |
| 15033 | 80.53 | 483.41 | 57.93 | 397.1 | 82.8 |
| 16546 | 80.52 | 384.87 | 171.05 | 188.26 | 80.91 |
| 8036 | 80.5 | 107.25 | 42.63 | 190.64 | 67.22 |
| 17935 | 80.44 | 1027.75 | 489.09 | 417.74 | 241.61 |
| 9595 | 80.34 | 116.46 | 25.48 | 181.72 | 57.94 |
| 21164 | 80.27 | 720.73 | 321.7 | 357.14 | 154.07 |
| 20925 | 80.25 | 1545.55 | 1118.98 | 398.57 | 388.7 |
| 3256 | 80.2 | 1363.2 | 223.24 | 1008.47 | 282.45 |
| 22602 | 80.11 | 346.86 | 156.71 | 117.77 | 80.11 |
| 14103 | 80.1 | 130.83 | 53.52 | 268.45 | 112.17 |
| 6281 | 80.09 | 428.91 | 67.82 | 322.98 | 57.65 |
| 6055 | 80.06 | 755.74 | 171.13 | 1095.41 | 229.36 |
| 19992 | 80.03 | 961.81 | 217.4 | 616.62 | 214.06 |
| 16944 | 79.95 | 653.89 | 186.47 | 493.26 | 118.6 |
| 17653 | 79.94 | 33.67 | 9.69 | 61.84 | 28.94 |
| 3963 | 79.93 | 305.58 | 62.1 | 433.33 | 110.78 |
| 22603 | 79.9 | 551.03 | 249.59 | 255.93 | 99.16 |
| 3844 | 79.84 | 115.57 | 40.04 | 66 | 27.82 |
| 3524 | 79.74 | 466.11 | 84.63 | 331.66 | 74.43 |
| 22416 | 79.71 | 533.31 | 369.04 | 139.63 | 73.03 |
| 24313 | 79.63 | 470.74 | 59.57 | 385.82 | 60.61 |
| 18900 | 79.6 | 1105.69 | 187.66 | 800.38 | 174.92 |
| 4198 | 79.56 | 808.6 | 112 | 1096 | 231 |
| 4163 | 79.55 | 248.62 | 94.31 | 126.64 | 79.23 |
| 11827 | 79.51 | 24.08 | 5.69 | 38.86 | 17.24 |
| 3720 | 79.5 | 294.46 | 48.31 | 231.04 | 46.59 |
| 21693 | 79.5 | 634.8 | 176.62 | 886.1 | 199.83 |
| 3513 | 79.49 | 186.87 | 85.46 | 102.25 | 27.33 |
| 9475 | 79.48 | 507.64 | 185.43 | 865.8 | 307.15 |
| 2544 | 79.42 | 142.29 | 38.28 | 223.97 | 68 |
| 12766 | 79.4 | 535.24 | 155.92 | 819.07 | 248.03 |
| 21676 | 79.39 | 56.27 | 22.06 | 23.05 | 23.13 |
| 5597 | 79.39 | 113.41 | 35.69 | 172.6 | 42.44 |
| 4312 | 79.22 | 300.11 | 231.72 | 59.29 | 145.18 |
| 1977 | 79.22 | 751.49 | 363.3 | 361.04 | 158.19 |
| 15175 | 79.14 | 351.74 | 129.02 | 229.74 | 63.77 |
| 1561 | 79.05 | 678.96 | 104.86 | 876.64 | 222.96 |
| 11525 | 78.98 | 543.41 | 145.13 | 378.73 | 80.39 |
| 16217 | 78.91 | 331.03 | 49.07 | 453.05 | 151.94 |
| 9929 | 78.88 | 984.42 | 275.55 | 666.24 | 175.2 |
| 5616 | 78.86 | 798.91 | 213.64 | 1264.02 | 377.29 |
| 12087 | 78.83 | 721.43 | 172.31 | 1033.05 | 313.71 |
| 25500 | 78.72 | 92.72 | 36.52 | 156.3 | 51.14 |

| TABLE 5SSS: Rat-Specific Carcinogen | | | Attorney Docket 44921-5038-01-WO | | |
|-------------------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Document No. 1935828.1 | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2811 | 78.66 | 376.87 | 175.31 | 188.45 | 72.58 |
| 20913 | 78.65 | 1344.66 | 1526.29 | 252.08 | 239.71 |
| 16721 | 78.6 | 439.68 | 176.78 | 256.82 | 66.39 |
| 21729 | 78.6 | 1337.31 | 666.05 | 632.62 | 312.5 |
| 18867 | 78.58 | 464.09 | 223.16 | 832.71 | 217.61 |
| 1588 | 78.11 | 150.03 | 38.75 | 236.26 | 84.77 |
| 4748 | 77.84 | 864.02 | 171.56 | 1193.49 | 354.11 |
| 2150 | 77.8 | 578.71 | 114.96 | 786.21 | 162.02 |
| 575 | 77.78 | 647.61 | 149.34 | 910.21 | 310.61 |
| 5619 | 77.7 | 236.87 | 83.36 | 434.3 | 224.27 |
| 1728 | 77.61 | 564.17 | 323.78 | 244.37 | 97.47 |
| 16768 | 77.55 | 827.1 | 326.5 | 488.7 | 151.42 |
| 17541 | 77.55 | 2640.18 | 1157.61 | 1611.53 | 611.61 |
| 17154 | 77.53 | 282.38 | 73.61 | 186.86 | 78.6 |
| 20715 | 77.52 | 1645.27 | 1301.97 | 360.39 | 357.44 |
| 16519 | 77.51 | 167.17 | 65.13 | 374.61 | 224.57 |
| 21975 | 77.45 | 162.3 | 68.52 | 270.39 | 80.94 |
| 20851 | 77.42 | 226.26 | 158.41 | 64.53 | 70.36 |
| 9931 | 77.42 | 842.19 | 198.93 | 611.09 | 150.67 |
| 1973 | 77.35 | 278.95 | 64.12 | 393.47 | 106.7 |
| 7872 | 77.32 | 201.16 | 69.12 | 295.58 | 81.6 |
| 21674 | 77.21 | 81.3 | 20.95 | 47.97 | 29.6 |
| 1562 | 76.92 | 632.49 | 156.59 | 886.15 | 225.36 |
| 17601 | 76.86 | 54.6 | 26.05 | 103.26 | 39.63 |
| 7756 | 76.82 | 117.71 | 101.87 | 32.42 | 32.24 |
| 15126 | 76.72 | 1875.41 | 613.22 | 1264.52 | 531.77 |
| 25211 | 76.65 | 24.28 | 8.6 | 41.3 | 18.02 |
| 17401 | 76.65 | 214.98 | 90.12 | 437.23 | 217.41 |
| 3381 | 76.48 | 152 | 27.96 | 112.85 | 34.15 |
| 19679 | 76.48 | 207.81 | 106.28 | 393.8 | 139.56 |
| 20940 | 76.46 | 712.05 | 180.72 | 544.11 | 214.98 |
| 355 | 76.44 | 39 | 11.16 | 65.51 | 38.58 |
| 20914 | 76.39 | 1239.7 | 1139.09 | 217.52 | 235.85 |
| 18990 | 76.29 | 57.72 | 40.69 | 25.18 | 57.42 |
| 18083 | 76.28 | 264.56 | 293.42 | 21.29 | 51.77 |
| 17752 | 76.27 | 316.19 | 69.14 | 474.47 | 141.73 |
| 17516 | 76.23 | 440.41 | 184.62 | 246.6 | 71.25 |
| 6672 | 76.22 | 51.56 | 15.14 | 78.39 | 25.38 |
| 18958 | 75.96 | 677.7 | 394.05 | 318.89 | 105.63 |
| 15579 | 75.96 | 2192.69 | 1209.56 | 1669.05 | 656.58 |
| 20698 | 75.92 | 555.55 | 154.85 | 906.07 | 449.65 |
| 9029 | 75.71 | 488.95 | 86.61 | 377.63 | 190.26 |
| 20983 | 75.67 | 1372.88 | 425.72 | 990.57 | 285 |
| 23660 | 75.57 | 819.62 | 309.13 | 1343.7 | 415.06 |
| 15755 | 75.51 | 499.07 | 155.59 | 744.94 | 178.51 |
| 21977 | 75.49 | 570.55 | 106.99 | 710.01 | 221.7 |
| 15409 | 75.21 | 1048.64 | 448.2 | 591.54 | 275.01 |
| 20703 | 75.09 | 161.99 | 107.91 | 455.4 | 485.2 |
| 15150 | 75.08 | 68.9 | 24.08 | 36.74 | 21.51 |
| 18315 | 74.94 | 150.9 | 107.86 | 44.73 | 32.72 |
| 20859 | 74.91 | 74.16 | 33.21 | 41.44 | 19.76 |

| TABLE 5SSS: Rat-Specific Carcinogen | | Attorney Docket 44921-5038-01-WO | | | |
|-------------------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 25453 | 74.79 | 241.97 | 69.06 | 325.2 | 79.65 |
| 17886 | 74.76 | 902.13 | 187.48 | 1258.14 | 425.92 |
| 17933 | 74.67 | 272.09 | 138.91 | 126.39 | 67.68 |
| 24 | 74.6 | 30.14 | 19.68 | 53.04 | 24.99 |
| 8438 | 74.58 | 53.2 | 34.64 | 94.94 | 45.26 |

| TABLE 5TTT: STEATOSIS | | Attorney Docket 44921-5038-01-WO | | | |
|-----------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23710 | 99.44 | 426.99 | 158.47 | 39.74 | 127.2 |
| 23711 | 99.12 | 1638.85 | 605.56 | 175.11 | 252.99 |
| 18383 | 98.96 | 1708.97 | 388.87 | 745.76 | 148.48 |
| 24799 | 98.96 | 1195.6 | 333.09 | 301.34 | 104.38 |
| 22204 | 98.88 | 738.56 | 369.62 | 102.92 | 76.96 |
| 24800 | 98.78 | 461.64 | 85.12 | 137.87 | 62.98 |
| 21043 | 98.54 | 464.68 | 225.48 | 71.55 | 45.75 |
| 5339 | 98.22 | 1793.4 | 478.09 | 496.04 | 253.26 |
| 25805 | 98.01 | 132.61 | 31.16 | 50.71 | 18.07 |
| 25567 | 97.66 | 545.53 | 171.91 | 142.84 | 138.08 |
| 20744 | 96.92 | 1141.12 | 158.4 | 343.95 | 298.59 |
| 11136 | 96.17 | 631.45 | 96.47 | 314.65 | 116.78 |
| 6044 | 96.07 | 1316.46 | 200.37 | 751.26 | 207.08 |
| 4355 | 95.51 | 133.56 | 78.66 | 408.05 | 114.28 |
| 17461 | 95.43 | 2844.1 | 440.98 | 1402.43 | 543.42 |
| 3917 | 95.43 | 2920.63 | 643.23 | 1576.49 | 500 |
| 15080 | 95.37 | 316.04 | 55.21 | 620.44 | 150.65 |
| 7426 | 95.24 | 477.73 | 89.2 | 292.87 | 74.23 |
| 3944 | 95.22 | 198.86 | 23.52 | 380.78 | 282.11 |
| 23260 | 95.06 | 125.82 | 46.12 | 20.66 | 49.17 |
| 23709 | 94.76 | 1101.41 | 241.84 | 172.11 | 240.14 |
| 7416 | 94.74 | 819.53 | 98.21 | 1176.85 | 224.36 |
| 24251 | 94.34 | 1038.37 | 755.99 | 86.17 | 107.9 |
| 24798 | 94.31 | 1518.71 | 252.85 | 565.68 | 185.28 |
| 22311 | 94.28 | 511.57 | 285.28 | 179.32 | 61.1 |
| 3498 | 94.07 | 300.42 | 102.94 | 73.75 | 48.71 |
| 24797 | 94.07 | 515.62 | 308.75 | 64.38 | 43.43 |
| 957 | 93.97 | 264.22 | 94.11 | 94.59 | 44.99 |
| 21042 | 93.91 | 305.23 | 110.33 | 53.99 | 33.18 |
| 15841 | 93.83 | 199.05 | 70.49 | 58.42 | 27.28 |
| 4155 | 93.81 | 249.66 | 152.06 | 27.55 | 32.84 |
| 24803 | 93.81 | 3007.25 | 749.04 | 955.38 | 309.22 |
| 2789 | 93.78 | 317.62 | 114.62 | 74.43 | 42.55 |
| 3145 | 93.67 | 297.63 | 84.46 | 649.4 | 207.49 |
| 24801 | 93.57 | 1207.19 | 290.56 | 446.91 | 135.33 |
| 7642 | 93.54 | 67.34 | 17.76 | 122.77 | 35.28 |
| 11314 | 93.51 | 257.97 | 67.63 | 98.13 | 28.06 |
| 2342 | 93.41 | 401.37 | 137.42 | 134.67 | 55.66 |
| 4154 | 93.41 | 555.97 | 278.15 | 84.83 | 71.73 |
| 956 | 93.38 | 720.99 | 156.39 | 298.87 | 124.24 |
| 4725 | 93.3 | 579.8 | 359.59 | 21.53 | 107.74 |
| 2486 | 93.22 | 249.93 | 52.97 | 520.51 | 164.41 |
| 6988 | 93.2 | 2406.98 | 1034.92 | 410.58 | 325.25 |
| 21709 | 93.17 | 357.59 | 73.41 | 192.65 | 45.44 |
| 357 | 93.12 | 231.23 | 115.1 | 73.5 | 31.36 |
| 1597 | 93.12 | 609.69 | 268.54 | 115.4 | 119.12 |
| 6697 | 93.06 | 178.7 | 37.6 | 75.11 | 28.96 |
| 355 | 93.06 | 212.6 | 98.49 | 64.16 | 36.13 |
| 4731 | 93.04 | 254.16 | 159.28 | 53.52 | 76.17 |
| 6295 | 92.96 | 2644.86 | 728.83 | 1083.65 | 420 |
| 3435 | 92.93 | 184.96 | 25.05 | 287.41 | 58.82 |

| TABLE 5TTT: STEATOSIS | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 12825 | 92.88 | 413.85 | 151.26 | 143.86 | 52.1 |
| 21951 | 92.85 | 235.98 | 51.62 | 104.25 | 32.95 |
| 13686 | 92.85 | 103.07 | 42.55 | 43.59 | 16.51 |
| 13785 | 92.85 | 91.31 | 36.25 | 28.32 | 17.53 |
| 21063 | 92.85 | 136.54 | 43.55 | 45.61 | 21.99 |
| 14997 | 92.82 | 813.66 | 304.23 | 286.03 | 274.33 |
| 17908 | 92.8 | 341.3 | 138.37 | 71.19 | 114.56 |
| 20943 | 92.77 | 504.3 | 179.19 | 266.22 | 58.79 |
| 11992 | 92.77 | 67.46 | 16.69 | 29.71 | 12.57 |
| 2040 | 92.74 | 774.24 | 317.67 | 220.97 | 113.13 |
| 4789 | 92.74 | 254.77 | 78.25 | 69.47 | 41 |
| 5953 | 92.74 | 1015.17 | 452.24 | 182.21 | 219.21 |
| 17380 | 92.72 | 501.31 | 97.98 | 259.51 | 56.66 |
| 15642 | 92.64 | 808.95 | 240.2 | 374.02 | 156.59 |
| 4879 | 92.5 | 43.62 | 17.28 | 129.37 | 58.19 |
| 12306 | 92.5 | 2687.68 | 503.28 | 1137.44 | 517.33 |
| 13838 | 92.5 | 305.8 | 60.31 | 157.62 | 44.52 |
| 3418 | 92.42 | 529.23 | 125.97 | 288.59 | 78 |
| 18783 | 92.34 | 799.23 | 207.78 | 388.28 | 110.02 |
| 7745 | 92.32 | 303.03 | 102.02 | 126.97 | 55.6 |
| 3885 | 92.26 | 557.57 | 199.34 | 208.63 | 88.95 |
| 8728 | 92.26 | 208.46 | 62.82 | 83.42 | 35.75 |
| 1261 | 92.24 | 233.6 | 72.24 | 90.59 | 42.72 |
| 22906 | 92.24 | 1786.46 | 657.16 | 555.14 | 414.33 |
| 24778 | 92.21 | 1059.35 | 415.5 | 106.33 | 248.96 |
| 13446 | 92.19 | 143.37 | 61.44 | 33.71 | 35.39 |
| 1547 | 92.16 | 165.73 | 44.72 | 72.18 | 26.43 |
| 12119 | 92.08 | 360.14 | 104.12 | 138.92 | 67.02 |
| 10018 | 92.08 | 446.94 | 151.08 | 201.19 | 91.27 |
| 22545 | 91.97 | 609.53 | 157.46 | 241.55 | 110.06 |
| 8634 | 91.97 | 294.7 | 88.11 | 115.8 | 60.8 |
| 11997 | 91.95 | 481.41 | 141.93 | 198.28 | 83.2 |
| 4670 | 91.95 | 1831.85 | 620.15 | 481.05 | 417.75 |
| 15173 | 91.81 | 785.73 | 283.53 | 350.8 | 158.06 |
| 22187 | 91.79 | 489.34 | 68.52 | 924.01 | 380.14 |
| 1262 | 91.79 | 137.48 | 48.83 | 48.4 | 30.03 |
| 25682 | 91.73 | 71.76 | 23.47 | 31.87 | 18.4 |
| 6135 | 91.71 | 60.23 | 28.77 | 167.14 | 63.23 |
| 11533 | 91.55 | 146.33 | 72.7 | 22.77 | 54.12 |
| 22835 | 91.55 | 606.59 | 168.59 | 329.6 | 87.98 |
| 21757 | 91.49 | 139.6 | 29.05 | 57.08 | 32.39 |
| 19086 | 91.44 | 307.02 | 105.81 | 121.33 | 68.32 |
| 18727 | 91.41 | 1422.51 | 224.04 | 760.02 | 380.58 |
| 3961 | 91.39 | 114.72 | 26.66 | 56.91 | 23.54 |
| 12965 | 91.39 | 163.31 | 40.52 | 65.42 | 44.71 |
| 5989 | 91.31 | 352.05 | 40.06 | 207.94 | 64.14 |
| 17753 | 91.28 | 318.47 | 66.17 | 178.84 | 58.86 |
| 12000 | 91.25 | 733.3 | 182.64 | 313.58 | 160.02 |
| 21238 | 91.2 | 264.41 | 107.68 | 78.93 | 76.74 |
| 21864 | 91.02 | 53.11 | 15.17 | 23.33 | 12.17 |
| 15832 | 91.02 | 147.96 | 26.99 | 93.63 | 36.79 |

| TABLE 5TTT: STEATOSIS | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935828.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17379 | 90.88 | 329.17 | 96.81 | 117.22 | 69.28 |
| 15011 | 90.88 | 155.88 | 46.39 | 82.42 | 32.9 |
| 11137 | 90.75 | 791.65 | 145.34 | 412.17 | 156.26 |
| 21062 | 90.14 | 82.55 | 21.3 | 24.77 | 77.95 |
| 15872 | 90.11 | 910.15 | 170.07 | 496.35 | 167.4 |
| 24779 | 89.87 | 1128.09 | 336.53 | 217.04 | 431.31 |
| 21097 | 89.87 | 1420.72 | 240.02 | 921.49 | 391.32 |
| 11998 | 89.85 | 84.46 | 30.21 | 30.83 | 23.8 |
| 18795 | 89.79 | 986.47 | 184.83 | 539.29 | 202.72 |
| 8182 | 89.74 | 1203.09 | 47.91 | 1456.02 | 336.76 |
| 24264 | 89.66 | 134.26 | 38.26 | 53.05 | 39.71 |
| 958 | 89.58 | 807.4 | 316.04 | 296.8 | 130.18 |
| 16163 | 89.55 | 648.04 | 88.56 | 458.64 | 164.64 |
| 13682 | 89.15 | 288.54 | 74.18 | 153.7 | 61.35 |
| 3430 | 88.84 | 690.29 | 198.65 | 233.82 | 132.92 |
| 18702 | 88.81 | 164.57 | 74.52 | 58.66 | 22.27 |
| 15371 | 88.78 | 399.55 | 39.17 | 276.85 | 80.39 |
| 25608 | 88.76 | 101.93 | 59.54 | 26.16 | 15.79 |
| 7947 | 88.46 | 131.98 | 31.57 | 80.52 | 36.3 |
| 22282 | 88.44 | 147.9 | 29.13 | 93.96 | 29.46 |
| 15292 | 88.38 | 358.65 | 103.05 | 161.56 | 63.44 |
| 1549 | 88.38 | 410.81 | 141.11 | 184.09 | 57.88 |
| 25321 | 88.2 | 798.05 | 338.01 | 64.55 | 167.83 |
| 1920 | 88.17 | 790.83 | 133.55 | 440.27 | 270.56 |
| 1818 | 88.14 | 1238.63 | 134.19 | 2116.18 | 830.64 |
| 18728 | 88.04 | 141.59 | 26.39 | 98.85 | 24.21 |
| 16982 | 87.99 | 987.99 | 320.68 | 332.79 | 475.14 |
| 40 | 87.85 | 124.51 | 70.07 | 364.67 | 185.93 |
| 15313 | 87.8 | 99.62 | 50.66 | 27.35 | 36.67 |
| 14465 | 87.64 | 108.1 | 89.05 | 52.01 | 35.18 |
| 15621 | 87.53 | 663.06 | 152.66 | 368.33 | 86.66 |
| 1959 | 87.45 | 1193.48 | 118.42 | 2992.83 | 1816.78 |
| 14822 | 87.37 | 293.24 | 88.39 | 140.34 | 51.94 |
| 111 | 87.29 | 1115.66 | 277.57 | 3169.68 | 2035.12 |
| 21707 | 87.27 | 154.97 | 77.69 | 40.63 | 51.97 |
| 2010 | 87.24 | 1441.28 | 152.66 | 2692.81 | 1261.9 |
| 4234 | 87.21 | 1161.14 | 205.78 | 613.08 | 296.43 |
| 22314 | 87.13 | 300.82 | 75.74 | 141.88 | 48.44 |
| 5545 | 87.11 | 792.71 | 164.59 | 1493.88 | 573.16 |
| 3831 | 87.08 | 58.81 | 13.55 | 34.3 | 24.63 |
| 13930 | 87.03 | 252.18 | 77.11 | 147.06 | 105.72 |
| 14632 | 87.03 | 1014.2 | 130.21 | 1528.57 | 1137.28 |
| 23544 | 87 | 1094.48 | 73.24 | 1407.07 | 333.8 |
| 4010 | 86.98 | 1382.63 | 273.1 | 3098.05 | 2058.69 |
| 15683 | 86.87 | 121.35 | 56.18 | 38.42 | 29.66 |
| 6477 | 86.84 | 1694.29 | 106.3 | 2267.84 | 867.07 |
| 8210 | 86.84 | 338.41 | 120.93 | 125.65 | 85.94 |
| 108 | 86.76 | 1105.33 | 125.21 | 2181.99 | 1123.63 |
| 16942 | 86.76 | 886.77 | 126.9 | 1437.03 | 498.61 |
| 21239 | 86.74 | 765.8 | 261.3 | 322.09 | 178.98 |
| 19085 | 86.68 | 210.93 | 69.97 | 86.09 | 45.38 |

| TABLE 5TTT: STEATOSIS | | Attorney Docket 44921-5033-01-WO | | | |
|-----------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| CLGC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1798 | 86.68 | 1484.39 | 174.76 | 2804.34 | 1336.11 |
| 23491 | 86.66 | 67.14 | 20.87 | 140.44 | 66.74 |
| 22860 | 86.63 | 118.74 | 38.34 | 54.3 | 23.7 |
| 8211 | 86.52 | 1188.67 | 125.17 | 2378.65 | 1113.31 |
| 1853 | 86.52 | 1338.93 | 193.22 | 2982.14 | 1637.61 |
| 2968 | 86.44 | 1151.48 | 133.67 | 2449.68 | 1262.65 |
| 4012 | 86.44 | 1414 | 214.2 | 2443.23 | 1160.81 |
| 17306 | 86.36 | 1382.22 | 224.07 | 2606.3 | 1273.84 |
| 14981 | 86.34 | 1141.57 | 161.43 | 3446.36 | 2312.72 |

| TABLE 5UUU: RAT-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15125 | 84.77 | 2623.95 | 842.22 | 1575.67 | 471.37 |
| 20915 | 84.21 | 1482.7 | 752.57 | 479.62 | 262.28 |
| 1354 | 84.01 | 450 | 153.08 | 233.59 | 190.41 |
| 6824 | 83.81 | 570.81 | 162.86 | 351.71 | 78.39 |
| 3256 | 83.57 | 1327.42 | 208.33 | 955.28 | 187.49 |
| 3121 | 83.13 | 1330.48 | 375.72 | 836.94 | 183.13 |
| 1795 | 81.97 | 1366.31 | 887.03 | 488.96 | 235.87 |
| 15127 | 81.68 | 1013.56 | 234.78 | 633.55 | 253.76 |
| 9475 | 81.6 | 554.87 | 188.47 | 926.41 | 276.42 |
| 15126 | 81.56 | 1930.63 | 559.32 | 1189.75 | 434.61 |
| 1794 | 81.53 | 5412.3 | 3108.18 | 2071.41 | 743.87 |
| 17541 | 80.76 | 2645.89 | 1005.53 | 1588.11 | 444.98 |
| 20914 | 80.53 | 1009.29 | 1047.24 | 178.67 | 134.52 |
| 17401 | 80.2 | 249.15 | 110.67 | 498.58 | 206.08 |
| 9032 | 80.16 | 777.18 | 139.95 | 567.86 | 106.91 |
| 6281 | 79.84 | 410.15 | 69.85 | 320.11 | 51.59 |
| 17155 | 79.8 | 215.12 | 68.73 | 120.66 | 39.81 |
| 5619 | 79.79 | 234.51 | 76.77 | 428.18 | 206.04 |
| 15872 | 79.72 | 316.51 | 151.16 | 505.15 | 145.68 |
| 5497 | 79.52 | 439.76 | 156.19 | 667.03 | 148.87 |
| 23445 | 79.44 | 107.93 | 72.7 | 261.76 | 108.44 |
| 12071 | 79.32 | 437.27 | 132.16 | 673.92 | 155.11 |
| 15673 | 79.32 | 1145.62 | 173.26 | 888.43 | 148.78 |
| 5496 | 79.04 | 324.6 | 106.16 | 510.54 | 122.43 |
| 3302 | 78.92 | 174.53 | 48.02 | 254.31 | 62.31 |
| 5622 | 78.92 | 1177.98 | 293.41 | 1609.15 | 289 |
| 15124 | 78.88 | 1906.64 | 608.89 | 1304.79 | 348.07 |
| 7926 | 78.72 | 145.13 | 39.34 | 91.73 | 48.52 |
| 16067 | 78.6 | 357.16 | 134.38 | 167.5 | 105.75 |
| 8036 | 78.55 | 118.43 | 46.42 | 195.61 | 61 |
| 18401 | 78.52 | 952.54 | 142.57 | 761.61 | 132.38 |
| 1551 | 78.39 | 726.73 | 197.84 | 1088.03 | 324.71 |
| 16519 | 78.27 | 172.13 | 64.03 | 364.2 | 199.28 |
| 21693 | 78.04 | 681.45 | 178.86 | 928.07 | 172.96 |
| 24290 | 77.96 | 2055.4 | 647.82 | 2979.79 | 584.6 |
| 14670 | 77.92 | 1672.79 | 437.76 | 1140.11 | 274.32 |
| 18749 | 77.76 | 223.32 | 181.08 | 58.27 | 43.29 |
| 6479 | 77.71 | 630.02 | 288.07 | 1032.96 | 330.38 |
| 15286 | 77.67 | 549.76 | 79.17 | 447.88 | 78.99 |
| 14103 | 77.43 | 176.73 | 118.86 | 297.35 | 100.28 |
| 15755 | 77.4 | 544.46 | 170.72 | 779.61 | 143.84 |
| 18900 | 77.28 | 1056.95 | 181.06 | 771.95 | 138.73 |
| 228 | 77.23 | 397.22 | 79.43 | 512.97 | 100.94 |
| 7022 | 77.16 | 86.36 | 52.28 | 29.16 | 25.94 |
| 2057 | 77.16 | 615.68 | 202.97 | 388.23 | 106.91 |
| 25211 | 76.91 | 24.5 | 9 | 43.05 | 18.48 |
| 5597 | 76.84 | 124.85 | 41.46 | 179.07 | 38.09 |
| 18726 | 76.83 | 251.29 | 75.38 | 375.83 | 101.91 |
| 14131 | 76.8 | 118.04 | 90.81 | 33.66 | 26.22 |
| 5140 | 76.79 | 44.4 | 21.02 | 74.83 | 28.36 |
| 4198 | 76.79 | 853.32 | 161.43 | 1091.61 | 171.92 |

| TABLE 5UUU: RAT-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22139 | 76.72 | 837.69 | 164.99 | 644.66 | 117.16 |
| 21917 | 76.71 | 31.58 | 13.87 | 64.87 | 39.46 |
| 17653 | 76.67 | 35.76 | 10.15 | 57.57 | 22.45 |
| 20698 | 76.63 | 601.93 | 178.63 | 879.35 | 280.22 |
| 14202 | 76.56 | 111.74 | 58.74 | 56.98 | 49.7 |
| 4199 | 76.55 | 690.94 | 183.72 | 898.75 | 164.81 |
| 573 | 76.51 | 618.11 | 237.13 | 975.07 | 295.14 |
| 16998 | 76.47 | 20.38 | 16.28 | 45.95 | 27.03 |
| 21815 | 76.4 | 309.71 | 107.25 | 209.22 | 52.06 |
| 9268 | 76.36 | 282.52 | 138.46 | 155.55 | 53.75 |
| 575 | 76.27 | 664.14 | 145.02 | 897.58 | 252.02 |
| 25430 | 76.27 | 486.71 | 102.89 | 644.44 | 170.21 |
| 17470 | 76.24 | 277.71 | 114.79 | 145.34 | 62.06 |
| 16703 | 76.24 | 1913.89 | 582.91 | 1240.26 | 288.4 |
| 19992 | 76.16 | 875.05 | 239.2 | 580.22 | 132.3 |
| 20913 | 76.12 | 1066.66 | 1380.37 | 219.71 | 119.06 |
| 1793 | 76.04 | 2478.8 | 1576.77 | 1097.84 | 375.98 |
| 17752 | 76.03 | 340.85 | 78.71 | 495.89 | 132.62 |
| 9805 | 76 | 550.71 | 138.31 | 395.29 | 85.74 |
| 6055 | 75.99 | 817.68 | 186.74 | 1113.58 | 195.57 |
| 20707 | 75.88 | 1074.4 | 363.88 | 623.34 | 229.96 |
| 18725 | 75.79 | 128.6 | 61.82 | 225.51 | 75.92 |
| 7223 | 75.76 | 360.85 | 96.68 | 255.52 | 64.21 |
| 9055 | 75.75 | 510.14 | 112.71 | 367.61 | 91.06 |
| 23928 | 75.67 | 111.29 | 26.45 | 146.26 | 33.19 |
| 3969 | 75.59 | 473.73 | 110.17 | 597.57 | 115.6 |
| 20466 | 75.55 | 284.65 | 103.54 | 459.19 | 140.55 |
| 17324 | 75.47 | 295.81 | 60.17 | 404.23 | 102.12 |
| 19287 | 75.47 | 42.68 | 12.35 | 62.32 | 18.46 |
| 6512 | 75.44 | 208.39 | 81.87 | 136.6 | 41.71 |
| 10200 | 75.43 | 39.83 | 18.9 | 22.12 | 18.89 |
| 48 | 75.43 | 648.81 | 302.27 | 683.58 | 167.49 |
| 14264 | 75.36 | 202.97 | 116.57 | 87.57 | 62.25 |
| 10623 | 75.31 | 1092.74 | 764.49 | 1180.6 | 478.26 |
| 22592 | 75.24 | 106.81 | 104.36 | 40.04 | 56.27 |
| 1822 | 75.23 | 33.68 | 10.71 | 57.49 | 22.41 |
| 23296 | 75.23 | 485.14 | 116.31 | 329.92 | 87.08 |
| 21848 | 75.19 | 379.76 | 69.57 | 292.87 | 68.85 |
| 18890 | 75.16 | 1507.23 | 832.9 | 737.74 | 225.08 |
| 2544 | 75.15 | 162.97 | 51.61 | 239.6 | 63.17 |
| 4163 | 75.07 | 223.36 | 94.7 | 123.16 | 67.03 |
| 18747 | 74.92 | 451.34 | 306.82 | 146.19 | 105.34 |
| 1641 | 74.87 | 61.36 | 24.27 | 108.26 | 38.6 |
| 17091 | 74.84 | 76.85 | 38.1 | 36.58 | 18.42 |
| 12087 | 74.79 | 793.42 | 209.52 | 1114.3 | 244.52 |
| 11954 | 74.79 | 2126.74 | 748.7 | 1724.99 | 462.74 |
| 6911 | 74.78 | 180.24 | 36.01 | 248.73 | 65.16 |
| 9595 | 74.71 | 126.92 | 36.44 | 183.5 | 50.27 |
| 15593 | 74.71 | 217.21 | 66.32 | 138.49 | 62.47 |
| 25281 | 74.67 | 190.57 | 38.95 | 144.14 | 32.18 |
| 4037 | 74.62 | 28.03 | 37.34 | 65.97 | 41.49 |

| TABLE SUUU: RAT-SPECIFIC | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLTC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 2828 | 74.59 | 161.9 | 36.94 | 125.9 | 34.36 |
| 22150 | 74.54 | 61.47 | 11.65 | 84.4 | 24.9 |
| 20701 | 74.54 | 603.12 | 180.17 | 865.54 | 266.35 |
| 20354 | 74.5 | 21.53 | 11.34 | 43.9 | 31.61 |
| 355 | 74.5 | 41.66 | 12.83 | 64.66 | 25.6 |
| 16043 | 74.46 | 101.39 | 21.39 | 128.12 | 30.01 |
| 1479 | 74.43 | 222.6 | 80.87 | 317.81 | 84.69 |
| 28 | 74.43 | 556.17 | 223.25 | 892.23 | 208.14 |
| 25443 | 74.42 | 917.97 | 200.37 | 1189.29 | 304.35 |
| 8872 | 74.4 | 695.6 | 245.44 | 441.84 | 110.47 |
| 21676 | 74.39 | 45.49 | 30.66 | 21.64 | 19.7 |
| 25500 | 74.31 | 104.95 | 40.42 | 161.29 | 47.83 |
| 18867 | 74.31 | 549.12 | 243.77 | 865.2 | 172.47 |
| 22008 | 74.3 | 296.37 | 49.26 | 368.53 | 82.95 |
| 1529 | 74.27 | 449.23 | 105.31 | 605.6 | 103.81 |
| 8422 | 74.26 | 97.71 | 48.06 | 45.21 | 70.14 |
| 14208 | 74.14 | 106.41 | 32.72 | 151.77 | 45.17 |
| 25069 | 74.12 | 458.66 | 326.61 | 147.86 | 116.19 |
| 22802 | 74.1 | 67.36 | 24.66 | 108.03 | 47.66 |
| 16320 | 74.07 | 68.75 | 22.55 | 105.75 | 30.18 |
| 14234 | 74.07 | 710.12 | 202.7 | 514.62 | 105.95 |
| 16217 | 74.06 | 352.45 | 61.76 | 458.46 | 111.46 |
| 21709 | 74.02 | 160.94 | 19.47 | 190.32 | 34.28 |
| 18989 | 74 | 2454.55 | 1380.92 | 1433.96 | 445.39 |
| 3860 | 73.95 | 733.59 | 336.39 | 383.38 | 129.24 |
| 22631 | 73.9 | 771.81 | 115.3 | 955.88 | 196.97 |
| 8315 | 73.87 | 171.23 | 93.34 | 75.82 | 53.3 |
| 7899 | 73.79 | 537.75 | 159.47 | 741.17 | 168.29 |
| 16604 | 73.71 | 61.54 | 25.94 | 88.21 | 26.77 |
| 25087 | 73.7 | 38.08 | 24.46 | 100.81 | 75.21 |
| 11152 | 73.67 | 186.78 | 106.84 | 347.81 | 128.05 |
| 19230 | 73.67 | 276.66 | 69.71 | 191.62 | 79.45 |
| 16704 | 73.67 | 1096.27 | 543.24 | 636.71 | 246.74 |
| 18742 | 73.64 | 890.26 | 597.59 | 348.27 | 118.54 |
| 1640 | 73.62 | 32.29 | 13.18 | 53.68 | 22.73 |
| 11322 | 73.62 | 570.09 | 121.59 | 707.68 | 153.56 |
| 22918 | 73.56 | 92.07 | 80.7 | 30.87 | 17.21 |
| 23698 | 73.56 | 1548.07 | 1592.18 | 309.32 | 237.84 |
| 11849 | 73.55 | 844.24 | 144.27 | 709.23 | 125.29 |
| 18001 | 73.55 | 548.83 | 190.37 | 757.27 | 154.69 |
| 8490 | 73.54 | 204.48 | 63.75 | 299.89 | 91.72 |
| 22051 | 73.51 | 258.88 | 106.95 | 147.42 | 54.9 |
| 25363 | 73.5 | 591.88 | 255.04 | 857.83 | 389.42 |
| 8438 | 73.5 | 57.52 | 31.14 | 98.73 | 40.98 |
| 5996 | 73.5 | 159.2 | 44.36 | 236.79 | 75.36 |
| 20876 | 73.47 | 2650.93 | 742.89 | 2139.21 | 589.85 |
| 24262 | 73.47 | 489.17 | 120.75 | 369.47 | 91.5 |
| 8213 | 73.43 | 4912.91 | 1897.47 | 3437.62 | 1274.23 |
| 43 | 73.42 | 325.82 | 84.6 | 439.75 | 109.96 |
| 3816 | 73.39 | 443.14 | 71.75 | 363.33 | 64.33 |
| 15987 | 73.31 | 62.26 | 47.32 | 20.08 | 20.67 |

| TABLE 5UUU: RAT-SPECIFIC | | | | | |
|--------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5038-01-WO | | |
| GLC | | | Document No. 1935828.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 23035 | 73.3 | 473.9 | 123.19 | 646.68 | 172.92 |
| 20942 | 73.27 | 953.3 | 204.49 | 774.59 | 190 |
| 3381 | 73.27 | 141.94 | 34.99 | 110.43 | 30.51 |
| 2845 | 73.27 | 689.05 | 103.71 | 592.14 | 77.83 |
| 2150 | 73.23 | 630.81 | 141.33 | 830.26 | 130.29 |
| 20093 | 73.22 | 48.26 | 10.8 | 64.16 | 23.52 |
| 23731 | 73.22 | 101.69 | 20.69 | 130.28 | 28.17 |
| 1802 | 73.22 | 238.13 | 66.2 | 327.53 | 81.18 |
| 4312 | 73.2 | 235.82 | 224.84 | 33.76 | 63.24 |
| 3279 | 73.15 | 1088.81 | 437.58 | 708.82 | 164.9 |
| 21355 | 73.15 | 917.83 | 844.58 | 259.39 | 201.32 |
| 4591 | 73.14 | 34.96 | 13.53 | 54.39 | 16.85 |
| 13967 | 73.11 | 22.92 | 28.23 | 41.7 | 22.6 |
| 21321 | 73.06 | 58.84 | 34.04 | 105.23 | 52.07 |
| 11205 | 73.03 | 724.82 | 212.26 | 968.6 | 208.4 |
| 15033 | 73.03 | 456.45 | 71.62 | 395.17 | 64.39 |
| 24313 | 73.03 | 456.07 | 59.17 | 390.07 | 51.2 |
| 22729 | 73.02 | 115.41 | 54.9 | 185.14 | 77.04 |
| 21933 | 72.99 | 4013.66 | 1903.79 | 5044.56 | 1583.57 |
| 19679 | 72.99 | 240.64 | 111.55 | 422.94 | 122.95 |
| 17758 | 72.99 | 1259.39 | 1342.92 | 351.61 | 238.28 |
| 21354 | 72.99 | 1398.38 | 1195.69 | 367.12 | 285.6 |
| 7073 | 72.98 | 47.32 | 27.22 | 67.34 | 27.33 |
| 23851 | 72.91 | 286.6 | 133 | 420.69 | 111.87 |
| 20842 | 72.91 | 406.62 | 61.29 | 342.19 | 55.12 |
| 21336 | 72.9 | 41.66 | 19.73 | 79.22 | 56.77 |
| 13489 | 72.9 | 70.09 | 15.02 | 91.25 | 22.4 |
| 6691 | 72.9 | 174.21 | 48.64 | 238.28 | 67.46 |
| 17887 | 72.87 | 889.35 | 265.66 | 1232.81 | 268.22 |
| 6825 | 72.87 | 551.84 | 111.71 | 430.92 | 97.87 |
| 3309 | 72.87 | 106.59 | 41.77 | 70.37 | 32.29 |
| 2917 | 72.86 | 448.21 | 83.45 | 368.22 | 91.48 |
| 12156 | 72.84 | 2561.41 | 3292.23 | 361.23 | 292.93 |
| 17766 | 72.83 | 603.51 | 92.66 | 491.63 | 80.16 |
| 8212 | 72.83 | 2740.78 | 989.8 | 1974.73 | 664.9 |
| 10626 | 72.83 | 1612.36 | 1089.21 | 1779.02 | 612.96 |
| 16124 | 72.82 | 113.44 | 50.99 | 186.16 | 65.39 |
| 12157 | 72.8 | 2870.9 | 3366.14 | 419.08 | 413.71 |
| 12644 | 72.78 | 26.28 | 44.78 | 78.85 | 56.42 |
| 18661 | 72.78 | 475.5 | 80.82 | 583.48 | 121.2 |
| 1653 | 72.78 | 329.58 | 81.83 | 395.72 | 79.72 |
| 1478 | 72.78 | 355.19 | 97.16 | 455.16 | 99.81 |
| 5052 | 72.75 | 2743.59 | 662.56 | 2176.68 | 543.34 |
| 10624 | 72.75 | 1390.56 | 948.63 | 1449.5 | 577.99 |
| 8899 | 72.74 | 756.2 | 151.64 | 940.24 | 173.69 |
| 4175 | 72.71 | 701.75 | 194.72 | 472.55 | 195.09 |
| 15109 | 72.63 | 256.6 | 46.04 | 222.37 | 48.99 |
| 7307 | 72.63 | 40.63 | 18.23 | 24.09 | 16.27 |
| 21975 | 72.63 | 182.91 | 70.69 | 272.58 | 66.08 |
| 18719 | 72.63 | 1332.18 | 856.5 | 1376.5 | 458.54 |
| 22099 | 72.62 | 145.43 | 58.7 | 238.89 | 86.05 |

| TABLE 5UUU: RAT-SPECIFIC | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLC Identifier | LDA Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 16701 | 72.59 | 3333.07 | 963.58 | 2408.6 | 540.48 |
| 6598 | 72.58 | 105.96 | 43.94 | 176.32 | 75.3 |
| 8880 | 72.58 | 176.61 | 92.7 | 348.91 | 169.26 |
| 14181 | 72.58 | 121.73 | 30.27 | 163.68 | 39.99 |
| 5877 | 72.55 | 257.38 | 60.52 | 195.77 | 52.29 |
| 3844 | 72.55 | 98 | 47.59 | 62.86 | 23.35 |
| 19298 | 72.55 | 483.75 | 222.96 | 289.1 | 72.69 |
| 18891 | 72.55 | 721.37 | 444.53 | 298.66 | 102.51 |
| 2588 | 72.51 | 163.3 | 60.42 | 88.17 | 53.39 |
| 6788 | 72.51 | 188.62 | 118.49 | 130.87 | 63.84 |
| 4272 | 72.51 | 240.67 | 265.09 | 23.84 | 51.73 |
| 15181 | 72.5 | 54.31 | 21.75 | 81.57 | 24.71 |

| TABLE 5VVV: CROSS-SPECIES | | Attorney Docket 44921-5033-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22929 | 83.24 | 394.12 | 515.32 | 1534.77 | 686.66 |
| 2569 | 82.29 | 630.24 | 415.15 | 989.19 | 173.5 |
| 21977 | 82.24 | 464.63 | 198 | 780.41 | 175.78 |
| 11536 | 81.48 | 317.72 | 100.47 | 557.76 | 184.32 |
| 22930 | 80.14 | 191.46 | 207.77 | 653.18 | 319.12 |
| 6033 | 79.4 | 716.61 | 249.8 | 1062.57 | 212.84 |
| 9191 | 79.34 | 400.77 | 242.37 | 779.36 | 243.39 |
| 24321 | 79.16 | 512.27 | 249.23 | 887.31 | 195.16 |
| 12312 | 79.07 | 703.85 | 259.81 | 1057.79 | 204.56 |
| 25480 | 78.92 | 397.83 | 176.45 | 668.05 | 155.44 |
| 851 | 78.82 | 341.55 | 91.74 | 468.09 | 89.15 |
| 1246 | 78.71 | 47.51 | 26.09 | 87.31 | 25.08 |
| 9012 | 78.22 | 435.12 | 235.52 | 780.51 | 226.32 |
| 2799 | 78.2 | 275.26 | 185.42 | 572.83 | 193.68 |
| 7697 | 77.99 | 303.79 | 122.05 | 492.04 | 131.21 |
| 4330 | 77.94 | 1067.48 | 470.26 | 1662.6 | 338.32 |
| 18564 | 77.77 | 288.02 | 95.25 | 407.63 | 80.26 |
| 6015 | 77.74 | 1128.2 | 366.47 | 1629.76 | 315.95 |
| 3823 | 77.63 | 732.5 | 256.15 | 470.91 | 100.24 |
| 16701 | 77.57 | 1752.03 | 751.41 | 2408.6 | 540.48 |
| 5934 | 77.4 | 202.01 | 137.26 | 416.91 | 140.61 |
| 22928 | 77.34 | 119.56 | 120.44 | 339.96 | 175.3 |
| 633 | 77.16 | 1074.18 | 322.52 | 1421.84 | 214.49 |
| 15700 | 77.14 | 335.75 | 110.41 | 485.59 | 105.24 |
| 1973 | 77.02 | 295.11 | 83.61 | 422.87 | 94.38 |
| 17496 | 77 | 98.47 | 97.25 | 306.27 | 173.05 |
| 22931 | 76.98 | 56.52 | 55.7 | 167.43 | 94.51 |
| 22554 | 76.63 | 1092.05 | 405.08 | 1639.91 | 357.08 |
| 811 | 76.62 | 525.24 | 164.95 | 723.4 | 109.86 |
| 21025 | 76.47 | 45.64 | 43.97 | 98.56 | 42.78 |
| 15170 | 76.47 | 138.72 | 60.59 | 212.65 | 45.31 |
| 16993 | 76.45 | 770.2 | 335.43 | 1150.39 | 220.57 |
| 8549 | 76.4 | 445.47 | 209.86 | 734.11 | 181.93 |
| 14208 | 76.39 | 94.3 | 42.17 | 151.77 | 45.17 |
| 1409 | 76.15 | 313.43 | 130.02 | 435.65 | 95.7 |
| 4914 | 76.08 | 330.15 | 160.59 | 522.44 | 124.28 |
| 17401 | 76.04 | 265.35 | 158.54 | 498.58 | 206.08 |
| 11635 | 76.02 | 211.28 | 82.62 | 314.64 | 73.27 |
| 23558 | 75.99 | 261.81 | 102.73 | 350.64 | 60.25 |
| 19363 | 75.94 | 1048.83 | 748.25 | 2172.92 | 808.22 |
| 794 | 75.9 | 575.29 | 270.52 | 868.65 | 167.79 |
| 3131 | 75.76 | 309.17 | 146.46 | 478.47 | 135.26 |
| 13088 | 75.7 | 854.73 | 475.91 | 1406.97 | 347.29 |
| 10555 | 75.62 | 174.35 | 196.33 | 439.98 | 205.74 |
| 16703 | 75.61 | 885.99 | 410.35 | 1240.26 | 288.4 |
| 22558 | 75.53 | 2594.36 | 713.4 | 3411.61 | 649.46 |
| 4944 | 75.51 | 232.33 | 164.34 | 95.09 | 48.47 |
| 14103 | 75.42 | 170.7 | 89.26 | 297.35 | 100.28 |
| 11576 | 75.37 | 56.56 | 29.25 | 87.45 | 24.43 |
| 28 | 75.29 | 554.4 | 263.32 | 892.23 | 208.14 |
| 11492 | 75.22 | 382.49 | 130.76 | 562.76 | 136.61 |

| TABLE 5VV: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4440 | 75.11 | 621.12 | 189.68 | 864.55 | 164.84 |
| 22582 | 75.04 | 310.41 | 153.71 | 476.67 | 118.02 |
| 9245 | 75.04 | 34.54 | 47.52 | 98.03 | 51.12 |
| 22197 | 75 | 244.65 | 128.03 | 130.89 | 44.8 |
| 6263 | 75 | 219.3 | 78.4 | 310.15 | 77.5 |
| 16726 | 74.95 | 603.68 | 170.58 | 840.06 | 176.17 |
| 20299 | 74.81 | 518.22 | 242.38 | 810.65 | 203.15 |
| 20735 | 74.78 | 299.85 | 197.31 | 151.92 | 48.81 |
| 2911 | 74.77 | 891.72 | 374.36 | 1274.57 | 298.14 |
| 21125 | 74.74 | 133.83 | 99.32 | 245.99 | 76.24 |
| 10509 | 74.73 | 88.29 | 55.02 | 152.3 | 47.27 |
| 11404 | 74.73 | 352.06 | 185.14 | 179.08 | 60.59 |
| 7299 | 74.72 | 277.4 | 334.77 | 50.83 | 54.83 |
| 812 | 74.69 | 333.66 | 123.26 | 484.38 | 88.86 |
| 10545 | 74.63 | 305.05 | 117.99 | 191.15 | 51.01 |
| 2150 | 74.59 | 648.71 | 151.06 | 830.26 | 130.29 |
| 2670 | 74.58 | 127.9 | 89.66 | 238.24 | 91.62 |
| 4133 | 74.18 | 287.37 | 108.06 | 403.19 | 99.63 |
| 6060 | 74.15 | 410.22 | 130.87 | 518.5 | 90.31 |
| 14767 | 74.15 | 208.74 | 97.86 | 343.32 | 101.07 |
| 18522 | 74.03 | 339.47 | 122.61 | 451.2 | 104.55 |
| 2536 | 73.98 | 347.97 | 312.16 | 668.31 | 319.47 |
| 24645 | 73.91 | 305.06 | 111.1 | 420.1 | 127.47 |
| 15955 | 73.84 | 139.42 | 98.08 | 204.39 | 72.01 |
| 20707 | 73.76 | 457.33 | 395.34 | 623.34 | 229.96 |
| 19103 | 73.73 | 582.59 | 293.24 | 773.52 | 173.83 |
| 17844 | 73.7 | 292.3 | 148.99 | 157.02 | 53.46 |
| 7064 | 73.66 | 503.2 | 269.79 | 277.13 | 115.91 |
| 3995 | 73.64 | 1327.2 | 400.68 | 1729 | 293.19 |
| 7003 | 73.57 | 289.23 | 134.99 | 430.44 | 102.85 |
| 19952 | 73.46 | 87.65 | 48.13 | 137.17 | 46.34 |
| 24434 | 73.45 | 147.16 | 85.03 | 260.09 | 89.13 |
| 9053 | 73.36 | 46.21 | 33.99 | 81.05 | 25.99 |
| 15029 | 73.23 | 1123.39 | 601.02 | 1730.82 | 409.24 |
| 18910 | 73.23 | 740.94 | 419.74 | 1224.03 | 408.32 |
| 12946 | 73.2 | 276.11 | 97.58 | 366.92 | 78.63 |
| 32 | 73.19 | 237.1 | 79.79 | 314.26 | 72.46 |
| 24375 | 73.19 | 178.09 | 76.34 | 112.64 | 29.43 |
| 3822 | 73.17 | 1766.33 | 603.91 | 1232.97 | 284.07 |
| 2905 | 73.15 | 369.49 | 219.29 | 526.2 | 157.37 |
| 11742 | 73.13 | 175.84 | 78.95 | 265.18 | 72.76 |
| 2505 | 73.12 | 582.26 | 215.56 | 813.22 | 146.67 |
| 24366 | 73.12 | 130.31 | 57.4 | 199.22 | 52.88 |
| 4590 | 73.09 | 32.45 | 25.98 | 57.6 | 21.45 |
| 134 | 73.06 | 72.37 | 57.34 | 131.23 | 42.87 |
| 21173 | 73.06 | 139.08 | 74.53 | 212.42 | 66.08 |
| 6389 | 73.05 | 48.82 | 27.08 | 80.63 | 30.31 |
| 22234 | 73.03 | 118.62 | 61.1 | 195.39 | 66.14 |
| 23608 | 73 | 609.23 | 300.85 | 349.11 | 117.6 |
| 13757 | 72.94 | 149.31 | 60.7 | 208.87 | 41.84 |
| 20983 | 72.91 | 762.84 | 300.3 | 1062.51 | 225.58 |

| TABLE 5VV: CROSS-SPECIES | | Attorney Docket 44921-5033-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 17324 | 72.83 | 284.14 | 110.38 | 404.23 | 102.12 |
| 11830 | 72.83 | 866.49 | 395.25 | 558.85 | 145.17 |
| 7582 | 72.79 | 355.08 | 163.31 | 564.39 | 184.79 |
| 2484 | 72.76 | 194.77 | 169.63 | 403.94 | 204.93 |
| 9399 | 72.68 | 246.85 | 87 | 340.61 | 91.84 |
| 24162 | 72.68 | 954.37 | 293.68 | 1294.88 | 316.19 |
| 1529 | 72.67 | 477.23 | 134.23 | 605.6 | 103.81 |
| 2468 | 72.67 | 338.58 | 107.98 | 243.52 | 65.28 |
| 25702 | 72.63 | 610.48 | 179.64 | 456.71 | 78.13 |
| 8600 | 72.6 | 43.65 | 46.31 | 95.01 | 50.94 |
| 9754 | 72.57 | 110.59 | 100.98 | 243.75 | 125.44 |
| 15613 | 72.55 | 740.81 | 422.24 | 1276.17 | 623.89 |
| 7903 | 72.44 | 40.73 | 42.65 | 106.87 | 69.91 |
| 1478 | 72.43 | 325.94 | 119.44 | 455.16 | 99.81 |
| 7199 | 72.4 | 1384.25 | 465.85 | 1845.15 | 398.42 |
| 11403 | 72.4 | 371.7 | 287.29 | 125.79 | 105.44 |
| 573 | 72.36 | 643.56 | 296.49 | 975.07 | 295.14 |
| 14353 | 72.34 | 56.28 | 28.81 | 31.1 | 11.73 |
| 16885 | 72.31 | 1256.79 | 481.81 | 1715.81 | 408.9 |
| 10544 | 72.31 | 248.76 | 99.46 | 157.91 | 41.83 |
| 20694 | 72.3 | 326.2 | 160.75 | 460.4 | 125.61 |
| 11693 | 72.26 | 254.68 | 178.21 | 437.13 | 175.04 |
| 3031 | 72.26 | 34.99 | 22.59 | 74.78 | 38.3 |
| 17049 | 72.26 | 260.47 | 110.53 | 362.27 | 80.9 |
| 7617 | 72.21 | 188.2 | 126.55 | 286.76 | 113.63 |
| 20380 | 72.19 | 122.94 | 62.6 | 185.13 | 66.19 |
| 19069 | 72.16 | 525.73 | 232.3 | 823.36 | 292.8 |
| 5026 | 72.14 | 52.53 | 56.56 | 141.34 | 85.98 |
| 62 | 72.14 | 95.45 | 38.85 | 126.48 | 33.26 |
| 24284 | 72.09 | 46.1 | 25.25 | 26.4 | 9.87 |
| 13167 | 72.06 | 88.95 | 29.42 | 118.87 | 27.04 |
| 20734 | 72.04 | 304.72 | 184.9 | 157.58 | 54.3 |
| 3916 | 71.96 | 1153.89 | 480.43 | 1650.18 | 306.22 |
| 24811 | 71.96 | 1109.31 | 455.79 | 1611.89 | 321.31 |
| 18908 | 71.96 | 138.13 | 160.61 | 305.79 | 160.25 |
| 24771 | 71.95 | 850.49 | 356.84 | 1191.61 | 251.64 |
| 22368 | 71.93 | 932.35 | 292.47 | 1269.35 | 267.54 |
| 9905 | 71.91 | 517.94 | 174.33 | 687.19 | 116.87 |
| 6554 | 71.91 | 476.48 | 157.14 | 648.62 | 137.68 |
| 1753 | 71.86 | 332.32 | 161.4 | 473.76 | 147.26 |
| 4591 | 71.86 | 35.42 | 17.52 | 54.39 | 16.85 |
| 10109 | 71.82 | 1242.54 | 314.81 | 990.72 | 130.13 |
| 1501 | 71.78 | 674.84 | 419.83 | 444.37 | 117.97 |
| 25370 | 71.78 | 95.94 | 79.86 | 168.03 | 87.16 |
| 3934 | 71.77 | 1513.46 | 620.34 | 2092.23 | 459.8 |
| 6190 | 71.77 | 115.38 | 30.83 | 146.68 | 25.88 |
| 15372 | 71.76 | 230.28 | 76.59 | 166.84 | 33.84 |
| 19086 | 71.71 | 181.61 | 99.62 | 102.86 | 39.24 |
| 17334 | 71.68 | 255.48 | 129.36 | 154.43 | 51.81 |
| 15239 | 71.67 | 735.97 | 182.55 | 589.29 | 104.99 |
| 2149 | 71.67 | 809.63 | 210.72 | 1035.3 | 188.79 |

| TABLE 5WV: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|--------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935628.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 4134 | 71.62 | 714.86 | 333.09 | 1003.63 | 288.21 |
| 7893 | 71.62 | 933.46 | 426 | 1316.07 | 348.51 |
| 2822 | 71.6 | 113.55 | 50.74 | 171.31 | 50.56 |
| 23075 | 71.57 | 262.8 | 121.45 | 154.33 | 70.02 |
| 7665 | 71.56 | 281.16 | 131.36 | 174.28 | 48.3 |
| 19085 | 71.45 | 126.63 | 61.48 | 74.3 | 28.75 |
| 13353 | 71.45 | 230.24 | 75.26 | 299.82 | 49.14 |
| 3365 | 71.45 | 630.75 | 267.71 | 857.68 | 194.93 |
| 14007 | 71.44 | 158.3 | 59.36 | 220.19 | 55.73 |
| 21978 | 71.43 | 124.71 | 51.41 | 194.2 | 62.83 |
| 18792 | 71.42 | 122.98 | 48.22 | 172.29 | 40.98 |
| 4951 | 71.39 | 347.16 | 186.61 | 163.59 | 126.43 |
| 16982 | 71.37 | 846.15 | 806.61 | 217.9 | 292.88 |
| 23445 | 71.37 | 144.75 | 123.58 | 261.76 | 108.44 |
| 22867 | 71.36 | 200.41 | 71.94 | 267.95 | 56.86 |
| 15089 | 71.36 | 253.17 | 143.75 | 143.81 | 54.42 |
| 2762 | 71.35 | 701.01 | 254.53 | 887.55 | 200.46 |
| 3431 | 71.34 | 1330.63 | 434.05 | 979.49 | 230.62 |
| 20503 | 71.31 | 668.44 | 359.37 | 995.08 | 297.94 |
| 24225 | 71.31 | 321.66 | 88.44 | 397.66 | 74.06 |
| 14512 | 71.27 | 791.91 | 361.34 | 1148.03 | 332.91 |
| 6604 | 71.26 | 26.65 | 19.24 | 43.55 | 15.59 |
| 19249 | 71.24 | 304.03 | 147.92 | 202.74 | 47.99 |
| 10886 | 71.24 | 730.33 | 287.1 | 1046.2 | 292.18 |
| 10984 | 71.24 | 802.42 | 375.97 | 1112.79 | 241.21 |
| 13749 | 71.22 | 31.36 | 20.88 | 50.79 | 20.84 |
| 14970 | 71.19 | 151.93 | 50.29 | 192.94 | 33.17 |
| 16765 | 71.18 | 190.04 | 77.82 | 257.16 | 57.64 |
| 24763 | 71.16 | 69.62 | 30.18 | 99.74 | 39.5 |
| 3145 | 71.15 | 489 | 190.63 | 677.04 | 169.61 |
| 16327 | 71.11 | 454.39 | 198.47 | 560.99 | 123.34 |
| 12332 | 71.1 | 68.52 | 126.38 | 185.76 | 113.94 |
| 5899 | 71.1 | 930.14 | 413.45 | 1287.79 | 254.28 |
| 19729 | 71.08 | 303.79 | 232.82 | 616.99 | 311.69 |
| 17591 | 71.05 | 175.12 | 74.27 | 119.36 | 24.95 |
| 8829 | 71.04 | 286.02 | 172.15 | 167.16 | 55.3 |
| 4670 | 71.03 | 901.92 | 702.31 | 370.87 | 215.27 |
| 7243 | 71.02 | 78.71 | 35.67 | 46.14 | 16.9 |
| 12958 | 71.02 | 838.44 | 339.37 | 1212.95 | 349.39 |
| 2532 | 71 | 33.67 | 79.66 | 119.79 | 81.06 |
| 8808 | 70.98 | 331.35 | 127.32 | 442.27 | 93.97 |
| 9016 | 70.97 | 1847.63 | 936.34 | 2925.18 | 883.92 |
| 7868 | 70.94 | 188.55 | 79.16 | 296.31 | 95.77 |
| 5943 | 70.92 | 417.65 | 251.42 | 723.51 | 291.6 |
| 10184 | 70.91 | 82.54 | 57.81 | 132.19 | 51.45 |
| 8387 | 70.91 | 227.23 | 69.53 | 308.51 | 58.02 |
| 12587 | 70.87 | 73.09 | 44.69 | 118.52 | 45.74 |
| 1099 | 70.87 | 179.35 | 73.75 | 239.9 | 63.52 |
| 14776 | 70.86 | 110.07 | 46.34 | 159.04 | 43.79 |
| 11021 | 70.86 | 180.38 | 91.1 | 281.58 | 84.48 |
| 7344 | 70.85 | 141.54 | 66.24 | 199.98 | 52.69 |

| TABLE 5VVV: GROSS SPECIES | | | | | |
|---------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Attorney Docket 44921-5098-01-WO | | |
| GLCC | | | Document No. 1935828.1 | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 22370 | 70.85 | 198.41 | 77.32 | 280.23 | 76.9 |
| 15900 | 70.85 | 239.02 | 90.01 | 167.84 | 49.46 |
| 23874 | 70.82 | 295.61 | 144.88 | 187.68 | 69.09 |
| 22870 | 70.81 | 693.77 | 226.73 | 958.56 | 235.69 |
| 1479 | 70.8 | 227.52 | 87.45 | 317.81 | 84.69 |
| 15299 | 70.78 | 149.12 | 201.47 | 50.74 | 22.41 |
| 15684 | 70.78 | 466.9 | 183.19 | 322.59 | 81.12 |
| 5813 | 70.74 | 71.44 | 26.44 | 101.23 | 28.82 |
| 21707 | 70.73 | 90.05 | 86.85 | 28.22 | 26.82 |
| 22569 | 70.73 | 114.78 | 52.45 | 153.84 | 40.41 |
| 12361 | 70.73 | 335.35 | 252.61 | 436.16 | 157.59 |
| 5923 | 70.73 | 169.98 | 70.34 | 233.66 | 65.76 |
| 9292 | 70.71 | 103.79 | 33.86 | 72 | 22.06 |
| 14521 | 70.71 | 378.9 | 153.05 | 513.94 | 151.4 |
| 17225 | 70.67 | 195.04 | 96.2 | 118.27 | 46.57 |
| 3418 | 70.67 | 345.32 | 114.21 | 267.79 | 44.4 |
| 21097 | 70.66 | 1160.57 | 654.64 | 856.27 | 190.12 |
| 18909 | 70.63 | 1321.39 | 680.45 | 2030.18 | 629.64 |
| 17887 | 70.63 | 960.66 | 311.73 | 1232.81 | 268.22 |
| 6007 | 70.58 | 476.71 | 105.67 | 574.72 | 98.28 |
| 1877 | 70.57 | 596.77 | 248.33 | 719.16 | 151.81 |
| 16809 | 70.57 | 53.93 | 47.14 | 23.52 | 14.01 |
| 8215 | 70.56 | 515.08 | 206.26 | 349.32 | 68.7 |
| 13936 | 70.56 | 87.37 | 31.65 | 117.14 | 29.77 |
| 18507 | 70.54 | 868.8 | 287.79 | 643.75 | 144.25 |
| 18960 | 70.51 | 119.65 | 54.24 | 168.02 | 47.49 |
| 14083 | 70.5 | 423.13 | 196.39 | 588.93 | 152.15 |
| 16883 | 70.49 | 1669.09 | 503.82 | 2170.81 | 460.15 |
| 6016 | 70.47 | 1705.77 | 1204.55 | 2241.42 | 568.62 |
| 17703 | 70.47 | 290.62 | 88.28 | 366.57 | 67.04 |
| 15136 | 70.47 | 743.81 | 236.73 | 535.14 | 134.51 |
| 17524 | 70.47 | 2246.77 | 731.43 | 2927.49 | 618.74 |
| 17688 | 70.47 | 78.32 | 35.11 | 48.74 | 16.54 |
| 6715 | 70.46 | 200.56 | 51.43 | 250.69 | 47.65 |
| 16465 | 70.46 | 337.24 | 87.66 | 428.48 | 97.67 |
| 16364 | 70.45 | 136.06 | 115.14 | 197.06 | 76 |
| 9331 | 70.45 | 50.42 | 25.03 | 28.18 | 17.25 |
| 12331 | 70.44 | 226.27 | 122.01 | 353.91 | 112.9 |
| 10248 | 70.43 | 46.56 | 47.05 | 20.42 | 12.29 |
| 18606 | 70.42 | 873.98 | 233.92 | 680.36 | 116.77 |
| 6824 | 70.41 | 568.53 | 304.74 | 351.71 | 78.39 |
| 17339 | 70.4 | 563.4 | 381.68 | 920.39 | 432.57 |
| 24170 | 70.39 | 80.8 | 46.71 | 125.33 | 46.01 |
| 14312 | 70.39 | 411.7 | 123.23 | 520.59 | 124.96 |
| 6072 | 70.37 | 1663.64 | 663.25 | 1941.63 | 326.28 |
| 23584 | 70.35 | 179.59 | 131.26 | 234.93 | 66.45 |
| 5667 | 70.33 | 927.04 | 191.86 | 776.26 | 104.11 |
| 16204 | 70.33 | 898.67 | 220.96 | 727.47 | 111.06 |
| 13332 | 70.32 | 168.15 | 83.98 | 245.57 | 77.53 |
| 20757 | 70.31 | 404.81 | 250.37 | 242.31 | 54.88 |
| 1430 | 70.31 | 51.39 | 65.28 | 103.05 | 58.96 |

| TABLE 5VVV: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 3189 | 70.31 | 67.11 | 40.68 | 122.56 | 61.99 |
| 17847 | 70.31 | 616.51 | 172.14 | 736.93 | 125.72 |
| 3791 | 70.3 | 193.24 | 56.31 | 235.97 | 46.45 |
| 11228 | 70.3 | 603.64 | 216.76 | 792.46 | 203.62 |
| 5874 | 70.28 | 92.97 | 43.42 | 128.57 | 38.7 |
| 8132 | 70.28 | 81.73 | 37.4 | 49.75 | 22.13 |
| 9067 | 70.28 | 905.02 | 319.12 | 657.76 | 172.4 |
| 15016 | 70.28 | 536.98 | 184.44 | 385.15 | 96.31 |
| 22038 | 70.27 | 155.38 | 55.42 | 113.17 | 25.26 |
| 17963 | 70.27 | 79.62 | 37.82 | 113.3 | 44.12 |
| 17009 | 70.2 | 129.88 | 155.48 | 260.53 | 165.61 |
| 21439 | 70.17 | 88.75 | 70.01 | 161.04 | 67.26 |
| 2818 | 70.17 | 365.52 | 82.6 | 298.38 | 49.62 |
| 8339 | 70.16 | 65.35 | 30.78 | 90.94 | 28.43 |
| 19712 | 70.16 | 110.98 | 53.23 | 150.13 | 43.73 |
| 4143 | 70.12 | 386.09 | 124.01 | 513.41 | 127.96 |
| 6017 | 70.11 | 455.13 | 455.31 | 914.37 | 485.04 |
| 7888 | 70.11 | 330.85 | 125.48 | 235.58 | 51.54 |
| 12064 | 70.08 | 496.79 | 236.18 | 643.13 | 155.3 |
| 21396 | 70.08 | 367.11 | 132.67 | 497.52 | 120.61 |
| 23783 | 70.05 | 450.8 | 137.01 | 583.47 | 119.36 |
| 4091 | 70.05 | 411.19 | 128.17 | 319.94 | 68.41 |
| 912 | 70.05 | 423.5 | 105.72 | 335.35 | 64.63 |
| 24883 | 70.02 | 137.1 | 67.79 | 189.86 | 51.6 |
| 23055 | 70.01 | 53.83 | 57.88 | 111.9 | 77.42 |

| TABLE 5WWW: GROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935328.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 18564 | 77.77 | 288.02 | 95.25 | 407.63 | 80.26 |
| 1973 | 77.02 | 295.11 | 83.61 | 422.87 | 94.38 |
| 10555 | 75.62 | 174.35 | 196.33 | 439.98 | 205.74 |
| 28 | 75.29 | 554.4 | 263.32 | 892.23 | 208.14 |
| 6263 | 75 | 219.3 | 78.4 | 310.15 | 77.5 |
| 2150 | 74.59 | 648.71 | 151.06 | 830.26 | 130.29 |
| 2670 | 74.58 | 127.9 | 89.66 | 238.24 | 91.62 |
| 4133 | 74.18 | 287.37 | 108.06 | 403.19 | 99.63 |
| 32 | 73.19 | 237.1 | 79.79 | 314.26 | 72.46 |
| 24366 | 73.12 | 130.31 | 57.4 | 199.22 | 52.88 |
| 4590 | 73.09 | 32.45 | 25.98 | 57.6 | 21.45 |
| 21173 | 73.06 | 139.08 | 74.53 | 212.42 | 66.08 |
| 6389 | 73.05 | 48.82 | 27.08 | 80.63 | 30.31 |
| 22234 | 73.03 | 118.62 | 61.1 | 195.39 | 66.14 |
| 23608 | 73 | 609.23 | 300.85 | 349.11 | 117.6 |
| 20983 | 72.91 | 762.84 | 300.3 | 1062.51 | 225.58 |
| 11830 | 72.83 | 866.49 | 395.25 | 558.85 | 145.17 |
| 2468 | 72.67 | 338.58 | 107.98 | 243.52 | 65.28 |
| 15613 | 72.55 | 740.81 | 422.24 | 1276.17 | 623.89 |
| 7199 | 72.4 | 1384.25 | 465.85 | 1845.15 | 398.42 |
| 3031 | 72.26 | 34.99 | 22.59 | 74.78 | 38.3 |
| 20380 | 72.19 | 122.94 | 62.6 | 185.13 | 66.19 |
| 62 | 72.14 | 95.45 | 38.85 | 126.48 | 33.26 |
| 5026 | 72.14 | 52.53 | 56.56 | 141.34 | 85.98 |
| 13167 | 72.06 | 88.95 | 29.42 | 118.87 | 27.04 |
| 24811 | 71.96 | 1109.31 | 455.79 | 1611.89 | 321.31 |
| 4591 | 71.86 | 35.42 | 17.52 | 54.39 | 16.85 |
| 25370 | 71.78 | 95.94 | 79.86 | 168.03 | 87.16 |
| 15372 | 71.76 | 230.28 | 76.59 | 166.84 | 33.84 |
| 2149 | 71.67 | 809.63 | 210.72 | 1035.3 | 188.79 |
| 4134 | 71.62 | 714.86 | 333.09 | 1003.63 | 288.21 |
| 2822 | 71.6 | 113.55 | 50.74 | 171.31 | 50.56 |
| 7665 | 71.56 | 281.16 | 131.36 | 174.28 | 48.3 |
| 13353 | 71.45 | 230.24 | 75.26 | 299.82 | 49.14 |
| 15089 | 71.36 | 253.17 | 143.75 | 143.81 | 54.42 |
| 22867 | 71.36 | 200.41 | 71.94 | 267.95 | 56.86 |
| 3431 | 71.34 | 1330.63 | 434.05 | 979.49 | 230.62 |
| 24225 | 71.31 | 321.66 | 88.44 | 397.66 | 74.06 |
| 10886 | 71.24 | 730.33 | 287.1 | 1046.2 | 292.18 |
| 19249 | 71.24 | 304.03 | 147.92 | 202.74 | 47.99 |
| 14970 | 71.19 | 151.93 | 50.29 | 192.94 | 33.17 |
| 24763 | 71.16 | 69.62 | 30.18 | 99.74 | 39.5 |
| 12958 | 71.02 | 838.44 | 339.37 | 1212.95 | 349.39 |
| 8808 | 70.98 | 331.35 | 127.32 | 442.27 | 93.97 |
| 10184 | 70.91 | 82.54 | 57.81 | 132.19 | 51.45 |
| 22370 | 70.85 | 198.41 | 77.32 | 280.23 | 76.9 |
| 7344 | 70.85 | 141.54 | 66.24 | 199.98 | 52.69 |
| 23874 | 70.82 | 295.61 | 144.88 | 187.68 | 69.09 |
| 22870 | 70.81 | 693.77 | 226.73 | 958.56 | 235.69 |
| 15684 | 70.78 | 466.9 | 183.19 | 322.59 | 81.12 |
| 12361 | 70.73 | 335.35 | 252.61 | 436.16 | 157.59 |

| TABLE 5WWW: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| GLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 14521 | 70.71 | 378.9 | 153.05 | 513.94 | 151.4 |
| 9292 | 70.71 | 103.79 | 33.86 | 72 | 22.06 |
| 17887 | 70.63 | 960.66 | 311.73 | 1232.81 | 268.22 |
| 16809 | 70.57 | 53.93 | 47.14 | 23.52 | 14.01 |
| 13936 | 70.56 | 87.37 | 31.65 | 117.14 | 29.77 |
| 8215 | 70.56 | 515.08 | 206.26 | 349.32 | 68.7 |
| 18507 | 70.54 | 868.8 | 287.79 | 643.75 | 144.25 |
| 17703 | 70.47 | 290.62 | 88.28 | 366.57 | 67.04 |
| 16465 | 70.46 | 337.24 | 87.66 | 428.48 | 97.67 |
| 6715 | 70.46 | 200.56 | 51.43 | 250.69 | 47.65 |
| 24170 | 70.39 | 80.8 | 46.71 | 125.33 | 46.01 |
| 16204 | 70.33 | 898.67 | 220.96 | 727.47 | 111.06 |
| 5667 | 70.33 | 927.04 | 191.86 | 776.26 | 104.11 |
| 13332 | 70.32 | 168.15 | 83.98 | 245.57 | 77.53 |
| 1430 | 70.31 | 51.39 | 65.28 | 103.05 | 58.96 |
| 3791 | 70.3 | 193.24 | 56.31 | 235.97 | 46.45 |
| 9067 | 70.28 | 905.02 | 319.12 | 657.76 | 172.4 |
| 8132 | 70.28 | 81.73 | 37.4 | 49.75 | 22.13 |
| 5874 | 70.28 | 92.97 | 43.42 | 128.57 | 38.7 |
| 17963 | 70.27 | 79.62 | 37.82 | 113.3 | 44.12 |
| 17009 | 70.2 | 129.88 | 155.48 | 260.53 | 165.61 |
| 2818 | 70.17 | 365.52 | 82.6 | 298.38 | 49.62 |
| 21439 | 70.17 | 88.75 | 70.01 | 161.04 | 67.26 |
| 19712 | 70.16 | 110.98 | 53.23 | 150.13 | 43.73 |
| 8339 | 70.16 | 65.35 | 30.78 | 90.94 | 28.43 |
| 4091 | 70.05 | 411.19 | 128.17 | 319.94 | 68.41 |
| 23783 | 70.05 | 450.8 | 137.01 | 583.47 | 119.36 |
| 23055 | 70.01 | 53.83 | 57.88 | 111.9 | 77.42 |
| 61 | 69.98 | 43.11 | 34.64 | 68.42 | 38.71 |
| 1431 | 69.97 | 304.54 | 211.24 | 469.38 | 169.13 |
| 5952 | 69.93 | 221.53 | 194.8 | 79.84 | 48.41 |
| 19443 | 69.91 | 1182.78 | 501.22 | 1438.37 | 331.54 |
| 18795 | 69.91 | 700.4 | 295.08 | 490.13 | 135.43 |
| 410 | 69.89 | 141.63 | 90.07 | 194.83 | 67.95 |
| 14207 | 69.87 | 29.52 | 17.55 | 44.01 | 17.85 |
| 15371 | 69.87 | 331.77 | 97.25 | 260.03 | 52.79 |
| 5110 | 69.86 | 437.63 | 192.67 | 295.49 | 63.7 |
| 20984 | 69.85 | 956.59 | 344.93 | 1256.43 | 239.8 |
| 20797 | 69.83 | 654.12 | 204.7 | 824.52 | 159.26 |
| 6471 | 69.8 | 382.01 | 180.29 | 543.69 | 172.42 |
| 12082 | 69.78 | 245.81 | 155.26 | 354.64 | 143.66 |
| 25479 | 69.75 | 984.3 | 282.3 | 1258.29 | 225.92 |
| 17532 | 69.71 | 377.61 | 166.47 | 522.06 | 150.36 |
| 23502 | 69.71 | 94.84 | 50.43 | 160.19 | 66.07 |
| 17427 | 69.7 | 966.21 | 290.24 | 1167.73 | 185.59 |
| 9952 | 69.68 | 232.91 | 65.76 | 183.55 | 43.37 |
| 13966 | 69.66 | 213.92 | 69.07 | 165.16 | 28.18 |
| 19274 | 69.62 | 119.19 | 46.21 | 158.27 | 48.59 |
| 12551 | 69.62 | 196.02 | 110 | 245.07 | 64.72 |
| 21052 | 69.62 | 216.51 | 102.66 | 316.45 | 96.53 |
| 8303 | 69.62 | 126.32 | 79.66 | 162.68 | 55.53 |

| TABLE 5WWW: CROSS-SPECIES | | | Attorney Docket 44921-5038-01-WO | | |
|---------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Document No. 1935323.1 | | |
| GLCC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 7552 | 69.61 | 792.63 | 288.39 | 1042.29 | 230.88 |
| 3082 | 69.61 | 335.18 | 154.07 | 235.56 | 55.03 |
| 17104 | 69.6 | 667.73 | 196.44 | 505.08 | 94.35 |
| 7161 | 69.6 | 68.88 | 37.85 | 41.45 | 18.15 |
| 24290 | 69.6 | 2380.88 | 624.58 | 2979.79 | 584.6 |
| 23299 | 69.55 | 308.22 | 214.74 | 162.06 | 61.66 |
| 22060 | 69.52 | 157.67 | 57.22 | 214.67 | 62.93 |
| 2544 | 69.51 | 171.6 | 57.05 | 239.6 | 63.17 |
| 20778 | 69.49 | 61.34 | 20.43 | 77.02 | 17.03 |
| 20601 | 69.49 | 641.69 | 413.94 | 1060.41 | 403.83 |
| 5711 | 69.39 | 845.94 | 316.64 | 1151.27 | 304.37 |
| 8728 | 69.38 | 118 | 60.59 | 75.18 | 23.27 |
| 5608 | 69.38 | 147 | 55.51 | 103.48 | 25.47 |
| 8837 | 69.35 | 182.4 | 64.43 | 227.91 | 46.54 |
| 2140 | 69.29 | 64.21 | 59.65 | 97.81 | 49.35 |
| 23035 | 69.28 | 575.28 | 335.09 | 646.68 | 172.92 |
| 25701 | 69.28 | 110.34 | 41.63 | 149.74 | 44.71 |
| 20743 | 69.27 | 113.27 | 37.09 | 148.87 | 33.69 |
| 3032 | 69.27 | 92.49 | 64.8 | 165.88 | 78.14 |
| 2539 | 69.26 | 66.69 | 66.82 | 21.43 | 23.35 |
| 11191 | 69.24 | 623.1 | 600.72 | 1250.16 | 738.73 |
| 2486 | 69.23 | 415.77 | 170.38 | 549.44 | 138.08 |
| 10985 | 69.23 | 478.12 | 166.28 | 614.37 | 116.86 |
| 25039 | 69.22 | 762.14 | 293.16 | 1032.96 | 271.08 |
| 4650 | 69.21 | 104.52 | 71.46 | 53.88 | 49.17 |
| 18434 | 69.21 | 639.89 | 257.21 | 839.13 | 216.35 |
| 16449 | 69.18 | 211.57 | 186.98 | 362.39 | 155.56 |
| 4588 | 69.09 | 33.17 | 14.98 | 43.74 | 11.79 |
| 23124 | 69.09 | 163.15 | 48.22 | 193.9 | 33.95 |
| 2242 | 69.09 | 2594.76 | 1333.11 | 2431.24 | 702.72 |
| 5465 | 69.08 | 649.21 | 200.8 | 814.17 | 179.49 |
| 7134 | 69.08 | 122.91 | 39.59 | 158.86 | 40.4 |
| 6629 | 69.03 | 352.77 | 98.64 | 436.59 | 94.79 |
| 10562 | 69.02 | 170.94 | 63.73 | 221.77 | 54.11 |
| 16450 | 69 | 185.48 | 93.27 | 265.68 | 79.3 |
| 22584 | 68.99 | 27.24 | 15.48 | 40.72 | 17.62 |
| 26123 | 68.98 | 403.94 | 224.97 | 248.33 | 85.97 |
| 4866 | 68.94 | 323.56 | 220.59 | 407.79 | 144.67 |
| 14520 | 68.92 | 718.89 | 287.37 | 929.15 | 271.99 |
| 3202 | 68.9 | 312.29 | 148.94 | 204.06 | 59.69 |
| 6638 | 68.9 | 62.37 | 36.79 | 86.23 | 25.38 |
| 5466 | 68.87 | 142.15 | 56.41 | 100.61 | 24.64 |
| 23626 | 68.86 | 201.12 | 116.89 | 120.63 | 56.66 |
| 23192 | 68.81 | 277.27 | 117.81 | 196.73 | 57.65 |
| 4205 | 68.8 | 291.77 | 147.91 | 182.61 | 54.27 |
| 11561 | 68.8 | 222.61 | 82.98 | 161.97 | 43.32 |
| 8715 | 68.78 | 1933.02 | 1288.57 | 1534.57 | 369.02 |
| 22196 | 68.78 | 74.28 | 48.92 | 39.71 | 17.41 |
| 12639 | 68.77 | 1220.95 | 226.32 | 1066.08 | 134.55 |
| 15398 | 68.76 | 120.19 | 79.21 | 64.19 | 37.26 |
| 1846 | 68.76 | 489.04 | 119.47 | 574.7 | 96.78 |

| TABLE 5WWW: CROSS-SPECIES | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935823.1 | | | | | |
| Identifer | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21962 | 68.75 | 183.19 | 58.91 | 232.81 | 58.04 |
| 23440 | 68.73 | 111.58 | 125.59 | 224.77 | 150.16 |
| 10187 | 68.7 | 178.99 | 73.07 | 243.28 | 70.75 |
| 20862 | 68.7 | 208.89 | 100.37 | 291.27 | 85.54 |
| 14073 | 68.68 | 170.77 | 79.39 | 232.8 | 72.02 |
| 21353 | 68.67 | 1193.72 | 449.28 | 1469.14 | 294.93 |
| 2667 | 68.66 | 690.95 | 215.8 | 851.81 | 173.83 |
| 2897 | 68.66 | 60.98 | 33.47 | 39.56 | 17.93 |
| 17514 | 68.63 | 427.65 | 147.04 | 555.38 | 121.94 |
| 16922 | 68.63 | 697.44 | 197 | 879.16 | 162.12 |
| 6911 | 68.61 | 188.66 | 80.63 | 248.73 | 65.16 |
| 4235 | 68.61 | 416.89 | 162.07 | 298.92 | 94.14 |
| 11644 | 68.6 | 768.73 | 297.92 | 890.46 | 175.16 |
| 4917 | 68.6 | 208.76 | 60.29 | 258.79 | 46.71 |
| 7451 | 68.59 | 1396.7 | 510.59 | 1080.67 | 215.46 |
| 21164 | 68.57 | 268.4 | 126.78 | 380.18 | 136.64 |
| 1524 | 68.57 | 108.28 | 62.98 | 155.75 | 55.68 |
| 6382 | 68.56 | 143.14 | 99.56 | 76.63 | 44 |
| 7066 | 68.56 | 279.58 | 78.92 | 347.29 | 69.26 |
| 20872 | 68.56 | 931.08 | 305.64 | 720.26 | 134.29 |
| 7225 | 68.53 | 332.7 | 150.95 | 355.06 | 72.91 |
| 13682 | 68.52 | 196.76 | 70.68 | 140.85 | 50.89 |
| 10281 | 68.51 | 121.89 | 86.7 | 170.5 | 68.47 |
| 18128 | 68.51 | 96.48 | 30.33 | 125.94 | 28.58 |
| 17155 | 68.51 | 185.29 | 83.99 | 120.66 | 39.81 |
| 1921 | 68.5 | 363.23 | 239.85 | 168.76 | 106.57 |
| 10887 | 68.5 | 85.17 | 35.98 | 112.54 | 27.85 |
| 614 | 68.46 | 870.65 | 232.37 | 1078.33 | 221.09 |
| 11039 | 68.46 | 130.13 | 55.8 | 178.73 | 47.4 |
| 15679 | 68.45 | 214.51 | 94.52 | 146.93 | 48.35 |
| 20839 | 68.43 | 1299.47 | 285.16 | 1088.5 | 155.78 |
| 17896 | 68.42 | 85.62 | 39.55 | 121.53 | 39.19 |
| 24161 | 68.4 | 380.32 | 103.82 | 478.92 | 106.67 |
| 8520 | 68.4 | 321.68 | 100.94 | 397.37 | 82.51 |
| 13574 | 68.37 | 254.63 | 86.55 | 330.35 | 89.71 |
| 20123 | 68.36 | 223.68 | 125.26 | 329.84 | 88.65 |
| 15907 | 68.36 | 246.9 | 75.2 | 308.44 | 75.88 |
| 22037 | 68.35 | 332.69 | 78.56 | 406.31 | 99.09 |
| 14528 | 68.35 | 243.07 | 104.53 | 336.21 | 101.8 |
| 14139 | 68.31 | 40.39 | 18.21 | 56.2 | 16.32 |
| 17879 | 68.31 | 237.45 | 70.4 | 314.51 | 93.29 |
| 1314 | 68.3 | 230.14 | 67.58 | 180.59 | 33.52 |
| 17590 | 68.3 | 148.41 | 79.6 | 95.69 | 27.19 |
| 17897 | 68.27 | 373.2 | 150.32 | 485.53 | 116.46 |
| 6740 | 68.27 | 342.85 | 105.69 | 423.44 | 103.94 |
| 17752 | 68.26 | 379.9 | 128.36 | 495.89 | 132.62 |
| 4355 | 68.24 | 337.78 | 125.58 | 428.84 | 92.54 |
| 8210 | 68.23 | 191.77 | 115.98 | 107.02 | 55.62 |
| 18036 | 68.22 | 210.77 | 98.22 | 292.49 | 75.92 |
| 3266 | 68.22 | 180.68 | 49.15 | 150.45 | 28.28 |
| 11324 | 68.22 | 260.71 | 86.16 | 335.92 | 75.79 |

| TABLE 5WWW: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|--------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935323.1 | | | |
| CLC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20895 | 68.19 | 135.62 | 62.17 | 177.96 | 51.29 |
| 17613 | 68.19 | 371.95 | 133.14 | 281.27 | 62.96 |
| 16320 | 68.19 | 79.42 | 28.99 | 105.75 | 30.18 |
| 18725 | 68.18 | 168.56 | 77.4 | 225.51 | 75.92 |
| 4198 | 68.17 | 1100.95 | 327.81 | 1091.61 | 171.92 |
| 1540 | 68.17 | 134.98 | 49.93 | 165.98 | 43.79 |
| 24277 | 68.14 | 269.91 | 98.59 | 196.18 | 57.35 |
| 14502 | 68.14 | 207.15 | 63.56 | 156.69 | 36.59 |
| 9009 | 68.14 | 385.05 | 87.95 | 476.29 | 94 |
| 17530 | 68.12 | 186.7 | 104.72 | 274.46 | 97.23 |
| 23606 | 68.1 | 631.68 | 410.82 | 352.05 | 127.82 |
| 2691 | 68.1 | 243.93 | 91.51 | 169.17 | 69.36 |
| 12247 | 68.1 | 122.48 | 84.05 | 183.46 | 74.07 |
| 8634 | 68.09 | 157.75 | 80.37 | 104.74 | 48.03 |
| 4843 | 68.09 | 421.66 | 118.6 | 517.97 | 107.18 |
| 19067 | 68.05 | 100.57 | 53.04 | 139.26 | 48.14 |
| 18107 | 68.05 | 401.43 | 109.81 | 326.56 | 59.27 |
| 4452 | 68.03 | 886.8 | 306.99 | 1156.6 | 282.66 |
| 11050 | 68.02 | 710.49 | 249.13 | 560.27 | 145.63 |
| 3417 | 68.01 | 516.14 | 177.77 | 395.17 | 73.1 |
| 6438 | 68.01 | 131.87 | 66.18 | 182.42 | 58.29 |
| 15365 | 68.01 | 891.2 | 333.93 | 645.16 | 125.31 |
| 24810 | 67.97 | 292.82 | 150.13 | 456.25 | 128.79 |
| 10018 | 67.97 | 260.2 | 118.71 | 181.9 | 54.89 |
| 255 | 67.96 | 387.64 | 145.8 | 480.23 | 103.61 |
| 8726 | 67.96 | 135.08 | 93.35 | 84.96 | 51.74 |
| 17549 | 67.95 | 764.29 | 177.53 | 623.69 | 117.53 |
| 356 | 67.93 | 149.32 | 111.95 | 147.29 | 46.36 |
| 24181 | 67.93 | 124.59 | 57.39 | 79 | 24.79 |
| 24501 | 67.93 | 634.23 | 157.53 | 521.34 | 86.23 |
| 23159 | 67.93 | 409.47 | 130.12 | 311.61 | 84.62 |
| 17664 | 67.92 | 416.69 | 253.9 | 243.35 | 93.43 |
| 19012 | 67.91 | 556.84 | 225.64 | 400.85 | 111.76 |
| 2444 | 67.91 | 119.69 | 68.66 | 181.52 | 65.2 |
| 4731 | 67.89 | 128.84 | 144.38 | 36.23 | 30.29 |
| 211 | 67.89 | 688.28 | 367.64 | 1176.91 | 592.79 |
| 12252 | 67.89 | 864.85 | 232.74 | 1019.13 | 201.64 |
| 1557 | 67.88 | 27.56 | 21.39 | 39.68 | 16.88 |
| 13054 | 67.88 | 69.13 | 23.41 | 50.93 | 18.64 |
| 1920 | 67.86 | 663.36 | 386.93 | 367.41 | 181.89 |
| 18672 | 67.85 | 110.77 | 40.71 | 80.47 | 24.88 |
| 2161 | 67.84 | 654.52 | 529 | 312.94 | 161.72 |
| 6440 | 67.83 | 404.48 | 194.32 | 254.8 | 98.77 |
| 10019 | 67.82 | 224.45 | 103.51 | 153.06 | 51.22 |
| 13670 | 67.82 | 85.24 | 34.32 | 115.46 | 30.25 |
| 23536 | 67.82 | 70.89 | 64 | 26.57 | 37.27 |
| 22820 | 67.81 | 426.5 | 191.71 | 281.27 | 81.11 |
| 22574 | 67.81 | 151.79 | 182.36 | 402.11 | 309.52 |
| 6783 | 67.81 | 102.58 | 60.82 | 62.89 | 27.41 |
| 6743 | 67.78 | 915.55 | 270.61 | 1159.37 | 250.96 |
| 19150 | 67.77 | 59.12 | 28.57 | 39.52 | 15.32 |

| TABLE 5WWW: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935823.1 | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 21838 | 67.77 | 210.76 | 128.6 | 131 | 32.47 |
| 7584 | 67.75 | 737.74 | 638.32 | 941.43 | 380.24 |
| 2319 | 67.74 | 431.9 | 190.92 | 566.69 | 156.82 |
| 21094 | 67.74 | 196.77 | 179.38 | 236.13 | 119.75 |
| 24233 | 67.71 | 707.12 | 242.83 | 917.78 | 222.66 |
| 21380 | 67.71 | 91.28 | 39.48 | 62.47 | 21.33 |
| 20444 | 67.7 | 86.66 | 42.03 | 58.53 | 35.13 |
| 3143 | 67.69 | 306.33 | 89.19 | 372.02 | 81.41 |
| 6164 | 67.69 | 304.21 | 109.83 | 351.01 | 71.98 |
| 14138 | 67.68 | 40.91 | 15.33 | 55.41 | 16.48 |
| 15259 | 67.66 | 144.72 | 83.96 | 86.36 | 35.42 |
| 14510 | 67.66 | 2639.15 | 1226.17 | 3492.91 | 1098.51 |
| 768 | 67.65 | 1353.87 | 309.58 | 1606.83 | 258.79 |
| 8490 | 67.64 | 209.66 | 101.83 | 299.89 | 91.72 |
| 20600 | 67.64 | 396.9 | 327.67 | 658.07 | 301.6 |
| 9015 | 67.61 | 94.95 | 27.58 | 115.35 | 31.99 |
| 15393 | 67.58 | 369.85 | 111.39 | 441.55 | 88.84 |
| 13434 | 67.57 | 38.76 | 38.51 | 75.67 | 44.18 |
| 23183 | 67.57 | 165.28 | 92.68 | 230.55 | 80.47 |
| 8860 | 67.56 | 293.12 | 127.69 | 371.63 | 105.49 |
| 23080 | 67.54 | 835.84 | 421.03 | 1185.74 | 431.6 |
| 11361 | 67.54 | 256.98 | 93.87 | 332.77 | 76.04 |
| 4441 | 67.54 | 940.27 | 200.95 | 823.12 | 118.28 |
| 4282 | 67.54 | 1242.36 | 574.56 | 1740.79 | 486.02 |
| 19 | 67.53 | 756.02 | 301.64 | 554.06 | 147.6 |
| 21864 | 67.53 | 33.05 | 16.01 | 21.33 | 10.05 |
| 11660 | 67.51 | 118.01 | 46.41 | 89.3 | 23.43 |
| 17758 | 67.46 | 266.15 | 307.61 | 351.61 | 238.28 |
| 960 | 67.45 | 173.41 | 67.83 | 226.84 | 59.41 |
| 11849 | 67.45 | 856.64 | 223.48 | 709.23 | 125.29 |
| 17105 | 67.41 | 1117.43 | 283.69 | 927.38 | 194.54 |
| 13646 | 67.41 | 892.25 | 275.14 | 702.93 | 149.12 |
| 23524 | 67.38 | 104.4 | 64.83 | 57.27 | 45.13 |
| 3203 | 67.37 | 260.9 | 116.49 | 186.24 | 44.33 |
| 9620 | 67.35 | 601.38 | 150.52 | 510.43 | 89.37 |
| 17628 | 67.34 | 715.53 | 137.11 | 815.84 | 133.15 |
| 23417 | 67.31 | 280.95 | 101.29 | 212.05 | 48.37 |
| 14959 | 67.28 | 648.44 | 208.84 | 499.67 | 95.61 |
| 20427 | 67.26 | 900.06 | 205.07 | 756.53 | 127.69 |
| 4592 | 67.24 | 191.79 | 76.87 | 139.31 | 31.94 |
| 25691 | 67.23 | 1006.53 | 224.67 | 849.11 | 124.04 |
| 25443 | 67.21 | 948.41 | 328.6 | 1189.29 | 304.35 |
| 7067 | 67.21 | 276.13 | 89.4 | 353.46 | 81.75 |
| 1876 | 67.2 | 683.28 | 267.37 | 796.49 | 167.63 |
| 11455 | 67.17 | 71.61 | 53.39 | 38.9 | 56.02 |
| 1884 | 67.13 | 197.44 | 73.06 | 151.25 | 31.6 |
| 17123 | 67.11 | 131.52 | 45.5 | 100.68 | 25.77 |
| 8592 | 67.1 | 300.12 | 124.38 | 394.15 | 116.04 |
| 17533 | 67.08 | 233.09 | 125.6 | 325.28 | 114.38 |
| 10503 | 67.08 | 524.19 | 154.11 | 604.9 | 107.85 |
| 20755 | 67.06 | 108.77 | 121.18 | 40.79 | 20.85 |

| TABLE 5WWW: CROSS-SPECIES | | | | | |
|----------------------------------|-----------|----------|--------|-------------|-----------|
| Timepoint(s): Various | | | | | |
| Attorney Docket 44921-5038-01-WO | | | | | |
| Document No. 1935323.1 | | | | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 1801 | 67.05 | 80.93 | 38 | 58.49 | 13.68 |
| 17684 | 67.05 | 277.13 | 115.19 | 335.97 | 75.04 |
| 228 | 67.04 | 430.29 | 134.04 | 512.97 | 100.94 |
| 4450 | 67.02 | 158.06 | 59.2 | 205.63 | 53.79 |
| 13282 | 67.02 | 177.9 | 79.38 | 243.36 | 70.87 |
| 11966 | 67.02 | 242.44 | 73.67 | 303.73 | 74.19 |
| 15291 | 67.01 | 96.86 | 53.21 | 62.38 | 19.96 |
| 1546 | 67.01 | 261.52 | 83.92 | 312.59 | 65.76 |
| 16306 | 66.99 | 962.35 | 308.44 | 1149.73 | 219.02 |
| 1867 | 66.99 | 752.96 | 205.36 | 598.57 | 131.93 |
| 22927 | 66.99 | 40.88 | 25.81 | 23.29 | 11.74 |
| 23166 | 66.99 | 232.45 | 97.58 | 162.7 | 51.7 |
| 4451 | 66.98 | 210.67 | 85.74 | 279.48 | 77.2 |
| 2079 | 66.98 | 195.85 | 68.11 | 229.68 | 54.62 |
| 18349 | 66.97 | 91.09 | 56.53 | 57 | 16.75 |
| 9423 | 66.9 | 1057.08 | 514.83 | 774.04 | 189.98 |
| 19824 | 66.89 | 289.5 | 177.58 | 408.58 | 150.59 |
| 7872 | 66.89 | 249.18 | 74.82 | 309.91 | 69.56 |
| 20466 | 66.88 | 351.24 | 138.81 | 459.19 | 140.55 |
| 21693 | 66.87 | 753.8 | 200.49 | 928.07 | 172.96 |
| 1548 | 66.87 | 557.12 | 146.84 | 674.13 | 116.09 |
| 12606 | 66.79 | 621.18 | 287.04 | 774.78 | 201.18 |
| 4449 | 66.79 | 182.55 | 79.34 | 251.5 | 78.17 |
| 1928 | 66.79 | 236.45 | 106.82 | 304.98 | 83.91 |
| 20464 | 66.77 | 1529.62 | 469.75 | 1893.1 | 544.17 |
| 25078 | 66.73 | 298.95 | 95.41 | 381.76 | 95.92 |
| 15292 | 66.7 | 213.86 | 99.54 | 146.93 | 34.99 |
| 16947 | 66.69 | 935.36 | 340.75 | 1225.46 | 279.74 |
| 17894 | 66.68 | 63.47 | 35.12 | 44.27 | 12.96 |
| 17739 | 66.62 | 327.62 | 158.91 | 473.82 | 169.89 |
| 21950 | 66.54 | 591.42 | 162.54 | 722.6 | 133.4 |
| 64 | 66.53 | 106.64 | 45.7 | 142.61 | 39.25 |
| 797 | 66.48 | 33.59 | 18.66 | 21.12 | 10.22 |
| 4234 | 66.47 | 811.89 | 366.43 | 568.15 | 259.91 |
| 17394 | 66.45 | 430.68 | 162.8 | 313.15 | 83.46 |
| 20716 | 66.45 | 1369.01 | 385.55 | 1726.3 | 418.55 |
| 6108 | 66.42 | 138.02 | 56.31 | 101.93 | 28.25 |
| 19825 | 66.41 | 266.04 | 171.17 | 390.25 | 148.94 |
| 18038 | 66.41 | 197.25 | 91.33 | 261.09 | 81.35 |
| 20430 | 66.39 | 605.69 | 381.32 | 883.43 | 355.77 |
| 3244 | 66.39 | 59.66 | 21 | 73.82 | 18.62 |
| 355 | 66.39 | 70.96 | 66.99 | 64.66 | 25.6 |
| 20056 | 66.35 | 90.58 | 34.47 | 114.44 | 29.89 |
| 1562 | 66.34 | 747.81 | 250.42 | 929.74 | 181.21 |
| 23854 | 66.34 | 553.01 | 193.42 | 421.19 | 115.14 |
| 18299 | 66.32 | 121.08 | 27.91 | 100.58 | 18.9 |
| 16610 | 66.28 | 198.74 | 109.91 | 131.99 | 52.47 |
| 23202 | 66.28 | 104.82 | 47.11 | 128.44 | 35.84 |
| 24885 | 66.23 | 1023.96 | 260.94 | 855.24 | 149.18 |
| 2192 | 66.23 | 52.33 | 26.61 | 34.72 | 15.08 |
| 10185 | 66.23 | 61.21 | 41.3 | 90.19 | 37.18 |

| TABLE 5WWW: CROSS-SPECIES | | Attorney Docket 44921-5038-01-WO | | | |
|---------------------------|-----------|----------------------------------|---------|-------------|-----------|
| Timepoint(s): Various | | Document No. 1935828.1 | | | |
| GLGC | | | | | |
| Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 15703 | 66.21 | 143.45 | 71.27 | 130.93 | 41.13 |
| 23203 | 66.2 | 88.78 | 49.95 | 104.63 | 36.15 |
| 17541 | 66.19 | 1759.77 | 1098.05 | 1588.11 | 444.98 |
| 17997 | 66.17 | 174.21 | 45.08 | 213.14 | 48.68 |
| 18727 | 66.12 | 1013.64 | 465.71 | 704.84 | 329.95 |
| 17886 | 66.1 | 1116.44 | 233.17 | 1289.74 | 227.21 |
| 18368 | 66.03 | 362.64 | 120.24 | 447.43 | 91.83 |
| 31 | 66.02 | 281.69 | 99.08 | 353.66 | 95.89 |
| 18369 | 66 | 120.27 | 64.54 | 169.25 | 49.47 |
| 25814 | 65.99 | 90.92 | 55.71 | 149.1 | 71.12 |
| 20819 | 65.96 | 89.28 | 35.9 | 69.1 | 14.18 |
| 17687 | 65.96 | 50.78 | 19.35 | 36.64 | 12.64 |
| 15926 | 65.95 | 472.3 | 167.38 | 621.88 | 200.71 |
| 4462 | 65.93 | 125.88 | 94.99 | 204.11 | 102.22 |
| 21066 | 65.9 | 73.4 | 26.64 | 55.33 | 14.27 |
| 8438 | 65.87 | 74.93 | 49.9 | 98.73 | 40.98 |
| 405 | 65.85 | 825.95 | 238.8 | 986.25 | 156.59 |
| 20744 | 65.83 | 609.22 | 527.99 | 289.69 | 178.47 |
| 8984 | 65.83 | 217.18 | 73.47 | 166.16 | 43.92 |
| 15718 | 65.83 | 58.42 | 26.79 | 78.5 | 26.27 |
| 25343 | 65.82 | 64.29 | 30.46 | 72.38 | 22.02 |
| 21123 | 65.81 | 778.23 | 292.41 | 1003.73 | 256.82 |
| 16125 | 65.8 | 82.9 | 47.25 | 98.5 | 35.99 |
| 23942 | 65.8 | 42.89 | 19.35 | 58.23 | 19.43 |
| 17269 | 65.76 | 395.29 | 125.05 | 498.17 | 130.91 |
| 1841 | 65.76 | 84.27 | 83.25 | 35.58 | 21.33 |
| 17448 | 65.76 | 76.75 | 46.78 | 47.96 | 26.33 |
| 1639 | 65.75 | 176.81 | 55.81 | 202.63 | 39.84 |
| 18611 | 65.73 | 1285.32 | 330 | 1076.99 | 206.89 |
| 21239 | 65.73 | 455.08 | 250.88 | 277.37 | 111.37 |
| 24707 | 65.72 | 1040.18 | 525.49 | 1331.32 | 396.29 |
| 13683 | 65.72 | 116.88 | 41.7 | 88.7 | 22.78 |
| 9528 | 65.71 | 163.77 | 124.25 | 209.98 | 82.15 |
| 5747 | 65.69 | 157.37 | 64.22 | 114.17 | 36.3 |
| 15069 | 65.68 | 758.44 | 411.73 | 942.45 | 358.93 |
| 9527 | 65.67 | 185.91 | 142.85 | 245.98 | 110.93 |
| 18726 | 65.64 | 301.13 | 112 | 375.83 | 101.91 |
| 13369 | 65.64 | 197.54 | 53.22 | 158.4 | 35.68 |
| 25453 | 65.64 | 286.4 | 81.98 | 338.69 | 69.45 |
| 24693 | 65.59 | 1558.64 | 625.1 | 1297.32 | 348.23 |
| 20931 | 65.57 | 345.69 | 231.81 | 455.91 | 200.33 |
| 16205 | 65.57 | 1268.71 | 312.26 | 1055.03 | 205.58 |
| 18695 | 65.55 | 90.63 | 38.86 | 118.94 | 42.21 |
| 1218 | 65.49 | 219.34 | 58.07 | 250.38 | 47.34 |
| 1678 | 65.49 | 103.4 | 40.36 | 131.17 | 34.94 |
| 20985 | 65.47 | 110.32 | 56.2 | 140.81 | 49.83 |
| 58 | 65.45 | 60.72 | 39.27 | 39.87 | 13.54 |
| 14973 | 65.44 | 53.97 | 100.44 | 72.85 | 93 |
| 14003 | 65.4 | 159.86 | 161.69 | 149.52 | 54.17 |
| 1460 | 65.4 | 401.02 | 317.53 | 250.09 | 60.17 |
| 17379 | 65.39 | 161.54 | 88.67 | 102.86 | 54.69 |

| TABLE 5WWW: CROSS-SPECIES | | | Attorney Docket 44921-5038-01-WO | | |
|---------------------------|-----------|----------|----------------------------------|-------------|-----------|
| Timepoint(s): Various | | | Document No. 1935828.1 | | |
| GLGC Identifier | LDA_Score | Tox_Mean | Tox_SD | NonTox_Mean | NonTox_SD |
| 20986 | 65.38 | 233.32 | 122.44 | 359.92 | 161.6 |
| 24019 | 65.35 | 42.24 | 35.05 | 20.47 | 16.32 |
| 22321 | 65.33 | 163.77 | 229.38 | 56.29 | 25.91 |
| 20 | 65.32 | 436.74 | 195.19 | 326.74 | 105.14 |
| 70 | 65.31 | 401.51 | 167.75 | 499.1 | 122.27 |
| 21975 | 65.27 | 258.36 | 101.5 | 272.58 | 66.08 |
| 15378 | 65.26 | 99.27 | 39.13 | 124.82 | 35.27 |
| 8267 | 65.24 | 703.24 | 383.23 | 973.99 | 404.92 |
| 15175 | 65.23 | 195.72 | 64.31 | 238.77 | 56.67 |
| 494 | 65.22 | 24.44 | 32.56 | 46.1 | 33.38 |
| 1694 | 65.19 | 1206.41 | 266.14 | 1040.67 | 177.4 |
| 19543 | 65.18 | 57.88 | 22.48 | 44.67 | 24.04 |
| 20844 | 65.18 | 809.4 | 218.34 | 681.31 | 144.38 |
| 17962 | 65.16 | 60.01 | 23.14 | 76.18 | 26.95 |
| 24657 | 65.16 | 53.84 | 32.67 | 75.25 | 31.19 |
| 22862 | 65.16 | 373.99 | 171.99 | 470.34 | 124.66 |
| 19745 | 65.16 | 63.45 | 27.98 | 46.34 | 14.67 |
| 3071 | 65.12 | 71.42 | 31.53 | 51.03 | 17.31 |
| 15654 | 65.1 | 378.32 | 147.51 | 303.37 | 91.13 |
| 17531 | 65.1 | 635.42 | 193.54 | 804.08 | 204.83 |
| 12083 | 65.09 | 189.53 | 108.48 | 258.03 | 109.22 |
| 17512 | 65.06 | 382.5 | 92.9 | 437.7 | 86.56 |
| 1521 | 65.05 | 202.1 | 111.43 | 137.4 | 51.17 |
| 25687 | 65.05 | 1428.29 | 309.52 | 1220.32 | 198.1 |
| 5496 | 65.04 | 427.7 | 199.98 | 510.54 | 122.43 |
| 13480 | 65.04 | 618.09 | 187.25 | 751.59 | 169.92 |
| 16257 | 65.02 | 404.02 | 145.61 | 520.25 | 157.53 |
| 11170 | 65.01 | 724.71 | 233.25 | 596.8 | 121.58 |

WE CLAIM:

1. A method of predicting at least one toxic effect of a compound, comprising:
 - (a) preparing a gene expression profile of a tissue or cell sample exposed to the compound; and
 - (b) comparing the gene expression profile to a database comprising at least part of the data or information of Tables 1-5.
2. A method of claim 1, wherein the gene expression profile prepared from the tissue or cell sample comprises the level of expression for at least one gene.
3. A method of claim 2, wherein the level of expression is compared to a Tox Mean and/or Non-Tox Mean value in Tables 1-5.
4. A method of claim 3, wherein the level of expression is normalized prior to comparison.
5. A method of claim 4, wherein the database comprises substantially all of the data or information in Tables 1-5.
6. A method of claim 1, wherein the tissue or cell sample is a liver tissue or liver cell sample.
7. A method of predicting at least one toxic effect of a compound, comprising:
 - (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of at least one toxic effect.
8. A method of predicting the progression of a toxic effect of a compound, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of toxicity progression.

9. A method of predicting the hepatotoxicity of a compound, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of hepatotoxicity.

10. A method of identifying an agent that modulates the onset or progression of a toxic response, comprising:

(a) exposing a cell to the agent and a known toxin; and
(b) detecting the expression level of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; wherein differential expression of the genes in Tables 1-3 is indicative of toxicity.

11. A method of predicting the cellular pathways that a compound modulates in a cell, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is associated the modulation of at least one cellular pathway.

12. The method of any one of claims 7-11, wherein the expression levels of at least 3 genes are detected.

13. The method of any one of claims 7-11, wherein the expression levels of at least 4 genes are detected.
14. The method of any one of claims 7-11, wherein the expression levels of at least 5 genes are detected.
15. The method of any one of claims 7-11, wherein the expression levels of at least 6 genes are detected.
16. The method of any one of claims 7-11, wherein the expression levels of at least 7 genes are detected.
17. The method of any one of claims 7-11, wherein the expression levels of at least 8 genes are detected.
18. The method of any one of claims 1-3, wherein the expression levels of at least 9 genes are detected.
19. The method of any one of claims 1-3, wherein the expression levels of at least 10 genes are detected.
20. A method of claim 7 or 8, wherein the effect is selected from the group consisting of carcinogenesis, cholestasis, hepatitis, liver enlargement, inflammation, liver necrosis, liver steatosis and peroxisome proliferation.
21. A method of claim 9, wherein the hepatotoxicity is associated with at least one liver disease pathology selected from the group consisting of carcinogenesis, cholestasis, hepatitis, liver enlargement, inflammation, liver necrosis, liver steatosis and peroxisome proliferation.
22. A method of claim 11, wherein the cellular pathway is modulated by a toxin selected from the group consisting of acetaminophen, 2-acetylaminofluorene (2-AAF),

acyclovir, ANIT, AY-25329, BI liver toxin, chloroform, bicalutamide, carbon tetrachloride, chloroform, CI-1000, clofibrate, colchicine, CPA, diclofenac, diflunisal, dimethylnitrosamine (DMN), dioxin, 17 α -ethinylestradiol, gemfibrozil, hydrazine, indomethacin, LPS, menadione, phenobarbital, tacrine, thioacetamide, valproate, Wy-14643 and zileuton.

23. A set of at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW.
24. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 3 genes.
25. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 5 genes.
26. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 7 genes.
27. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 10 genes.
28. A set of probes according to any one of claims 23-27, wherein the probes are attached to a solid support.
29. A set of probes according to claim 28, wherein the solid support is selected from the group consisting of a membrane, a glass support and a silicon support.
30. A solid support comprising at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW.

31. A solid support of claim 30, wherein the solid support is an array comprising at least 10 different oligonucleotides in discrete locations per square centimeter.
32. A solid support of claim 31, wherein the array comprises at least about 100 different oligonucleotides in discrete locations per square centimeter.
33. A solid support of claim 31, wherein the array comprises at least about 1000 different oligonucleotides in discrete locations per square centimeter.
34. A solid support of claim 31, wherein the array comprises at least about 10,000 different oligonucleotides in discrete locations per square centimeter.
35. A computer system comprising:
- (a) a database containing information identifying the expression level in a tissue or cell sample exposed to a hepatotoxin of a set of genes comprising at least two genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; and
 - (b) a user interface to view the information.
36. A computer system of claim 35, wherein the database further comprises sequence information for the genes.
37. A computer system of claim 35, wherein the database further comprises information identifying the expression level for the set of genes in the tissue or cell sample before exposure to a hepatotoxin.
38. A computer system of claim 35, wherein the database further comprises information identifying the expression level of the set of genes in a tissue or cell sample exposed to at least a second hepatotoxin.
39. A computer system of any of claims 35-38, further comprising records including descriptive information from an external database, which information correlates said genes to records in the external database.

40. A computer system of claim 39, wherein the external database is GenBank.
41. A method of using a computer system of any one of claims 35-38 to present information identifying the expression level in a tissue or cell of at least one gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, comprising:
- (a) comparing the expression level of at least one gene in Tables 1-3 in a tissue or cell exposed to a test agent to the level of expression of the gene in the database.
42. A method of claim 41, wherein the expression levels of at least two genes are compared.
43. A method of claim 41, wherein the expression levels of at least five genes are compared.
44. A method of claim 41, wherein the expression levels of at least ten genes are compared.
45. A method of claim 41, further comprising the step of displaying the level of expression of at least one gene in the tissue or cell sample compared to the expression level when exposed to a toxin.
46. A method of claim 10, wherein the known toxin is a hepatotoxin.
47. A method of claim 43, wherein the hepatotoxin is selected from the group consisting of acetaminophen, 2-acetylaminofluorene (2-AAF), acyclovir, ANIT, AY-25329, BI liver toxin, chloroform, bicalutamide, carbon tetrachloride, chloroform, CI-1000, clofibrate, colchicine, CPA, diclofenac, diflunisal, dimethylnitrosamine (DMN), dioxin, 17 α -ethinylestradiol, gemfibrozil, hydrazine, indomethacin, LPS, menadione, phenobarbital, tacrine, thioacetamide, valproate, Wy-14643 and zileuton.

48. A method of any one of claims 7-11, wherein nearly all of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW are detected.
49. A method of claim 48, wherein all of the genes in at least one of Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW are detected.
50. A kit comprising at least one solid support of any one of claims 30-34 packaged with gene expression information for said genes.
51. A kit of claim 50, wherein the gene expression information comprises gene expression levels in a tissue or cell sample exposed to a hepatotoxin.
52. A kit of claim 51, wherein the gene expression information is in an electronic format.
53. A method of any one of claims 7-11, wherein the compound exposure is *in vivo* or *in vitro*.
54. A method of any one of claims 7-11, wherein the level of expression is detected by an amplification or hybridization assay.
55. A method of claim 54, wherein the amplification assay is quantitative or semi-quantitative PCR.
56. A method of claim 54, wherein the hybridization assay is selected from the group consisting of Northern blot, dot or slot blot, nuclease protection and microarray assays.
57. A method of identifying an agent that modulates at least one activity of a protein encoded by a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW comprising:
- (a) exposing the protein to the agent; and

(b) assaying at least one activity of said protein.

58. A method of claim 57, wherein the agent is exposed to a cell expressing the protein.
59. A method of claim 58, wherein the cell is exposed to a known toxin.
60. A method of claim 59, wherein the toxin modulates the expression of the protein.
61. A method of claim 1, wherein the level of expression is compared to a Tox Mean and/or Non-Tox Mean value in Tables 5A-5WWW.
62. A method of claim 61, wherein the level of expression is normalized prior to comparison.
63. A method of claim 62, wherein the tissue or cell sample is a liver tissue or liver cell sample.
64. A computer system comprising:
(a) a database containing information identifying the expression level in a tissue or cell sample exposed to a hepatotoxin of a set of genes comprising substantially all of the genes in Tables 5A, 5C, 5D, 5E, 5F, 5G, 5I, 5K, 5L, 5M, 5N, 5O, 5Q, 5S, 5T, 5U, 5V, 5W, 5X, 5Z, 5BB, 5DD, 5FF, 5GG, 5HH, 5II, 5JJ, 5LL, 5MM, 5NN, 5PP, 5RR, 5SS, 5TT, 5UU, 5VV, 5WW, 5XX, 5ZZ, 5BBB, 5DDD, 5EEE, 5FFF, 5GGG, 5HHH, 5III, 5KKK, 5LLL, 5MMM, 5NNN, 5OOO, 5PPP, 5RRR, 5SSS, 5TTT, 5UUU and 5VVV; and
(b) a user interface to view the information.
65. An array comprising probes which individually specifically hybridize to substantially all of the genes in Tables 5A, 5C, 5D, 5E, 5F, 5G, 5I, 5K, 5L, 5M, 5N, 5O, 5Q, 5S, 5T, 5U, 5V, 5W, 5X, 5Z, 5BB, 5DD, 5FF, 5GG, 5HH, 5II, 5JJ, 5LL, 5MM, 5NN, 5PP, 5RR, 5SS, 5TT, 5UU, 5VV, 5WW, 5XX, 5ZZ, 5BBB, 5DDD, 5EEE, 5FFF,

5GGG, 5HHH, 5III, 5KKK, 5LLL, 5MMM, 5NNN, 5OOO, 5PPP, 5RRR, 5SSS, 5TTT,
5UUU and 5VVV.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOLECULAR HEPATOTOXICOLOGY MODELING

(57) Abstract: The present invention is based on the elucidation of the global changes in gene expression and the identification of toxicity markers in liver tissues or cells exposed to a known toxin. The genes may be used as toxicity markers in drug screening and toxicity assays. The invention includes a database of genes characterized by liver toxin-induced differential expression that is designed for use with microarrays and other solid-phase probes.



WO 03/064624 A3

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US03/03194

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/48; G06F 19/00
 US CL : 702/19, 27

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 702/19, 27

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6,218,122 B1 (FRIEND et al.) 17 April 2001 (17.04.2001), see column 1, lines 50-61; column 7, lines 5-15, column 9, lines 15-19; column 10, lines 40-46 and lines 57-64; | 1-6, 12-19 and 53-56 |
| Y | column 11, lines 35-45; column 13, lines 49-56; column 21, lines 52-56 and column 23, lines 19-26. | 7 and 20 |
| Y | US 2001/0049139 A1 (LAGASSE et al.) 06 December 2001 (06.12.2001), see paragraphs 0032 and 0042. | 7 and 20 |

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/03194

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

- 1. Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

- 2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

- 3. Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

- 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
- 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
- 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

- 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7, 12-20 and 53-56; carcinogenesis and acetaminophen

- Remark on Protest The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-7, 12-20, and 53-56, drawn to a method of predicting at least one toxic effect of a compound.

Group II, claim(s) 8, 12-17, 20, and 53-56, drawn to a method of predicting the progression of a toxic effect of a compound.

Group III, claim(s) 9, 12-17, 21, and 53-56, drawn to a method of predicting the hepatotoxicity of a compound.

Group IV, claim(s) 10, 12-17, and 53-56, drawn to a method of identifying an agent that modulates the onset or progression of a toxic response.

Group V claim(s) 11, 12-17, 22, and 53-56, drawn to a method of predicting the cellular pathways that a compound modulates in a cell.

Group VI, claim(s) 23-29, drawn to a set of at least two probes.

Group VII, claim(s) 30-34 and 50-52, drawn to a solid support comprising at least two probes.

Group VIII, claim(s) 35-49 and 64, drawn to a computer system with a database containing information identifying the expression level in a tissue or cell.

Group IX, claim(s) 57-63, drawn to a method of identifying an agent that modulates at least one activity of a protein encoded by a gene.

Group X, claim(s) 65, drawn to an array comprising probes which individually specifically hybridize to all of the genes in specified tables.

.2, they lack the same or corresponding special technical features for the following reasons:

Group I is directed to a method of predicting at least one toxic effect of a compound.

Group II is directed to a method of predicting the progression of a toxic effect of a compound.

Group III is directed to a method of predicting the hepatotoxicity of a compound.

Group IV is directed to a method of identifying an agent that modulates the onset or progression of a toxic response.

Group V is directed to a method of predicting the cellular pathways that a compound modulates in a cell.

Group VI is directed to a set of at least two probes.

Group VII is directed to a solid support comprising at least two probes.

Group VIII is directed to a computer system with a database containing information identifying the expression level in a tissue or cell.

Group IX is directed to a method of identifying an agent that modulates at least one activity of a protein encoded by a gene.

Group X is directed to an array comprising probes which individually specifically hybridize to all of the genes in specified tables.

INTERNATIONAL SEARCH REPORT

PCT/US03/031

Clearly, these 10 Groups lack the same or corresponding special technical features. Thus, Groups I-X are directed to different special technical features and thus support this lack of unity.

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

Specific to Groups I-V, VIII, and IX, the claims of these groups include a series of generic technical features directed to diseases (claim 20) and toxins (claim 22). The technical group containing diseases have 8 species. The technical group containing toxins have 30 species. These species within each technical feature is distinct characterized by its functional properties, thus, each is its own special technical feature.

The first Group has been identified as Group I having species of carcinogenesis and acetaminophen.

Election of a species of the disease and toxin is required for Groups I-V, VIII and IX. For each additional species for each Group, the fee for each additional Group is \$210.00 and each additional specie is \$210.

Specific to Groups VI, VII, and X, these inventions are directed to at least two sequences (4295 SEQ ID NOs) listed in specified tables and each SEQ ID Nos: has its own special technical features. Therefore, if Group VI, VII, or X is the elected Group, an additional fee of \$210.00 is required for each Group and \$210 for each pair of SEQ ID Nos: from 1-4295 (2148 pairs).

The total for search reports on the inventions of Group I-X and all the species is \$1,705,830.

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